

Natural Gas Monthly

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Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

| | | | |
|------|--|-------|--|
| AGA | American Gas Association | IOGCC | Interstate Oil and Gas Compact Commission |
| Bbl | Barrels | LNG | Liquefied Natural Gas |
| BLS | Bureau of Labor Statistics, U.S. Department of Labor | Mcf | Thousand Cubic Feet |
| Bcf | Billion Cubic Feet | MMBtu | Million British Thermal Units |
| BOM | Bureau of Mines, U.S. Department of the Interior | MMcf | Million Cubic Feet |
| Btu | British Thermal Unit | MMS | United States Minerals Management Service, U.S. Department of the Interior |
| DOE | U.S. Department of Energy | NGL | Natural Gas Liquids |
| DOI | U.S. Department of the Interior | OCS | Outer Continental Shelf |
| EIA | Energy Information Administration, U.S. Department of Energy | STIFS | Short-Term Integrated Forecasting System |
| FERC | Federal Energy Regulatory Commission | STEO | Short Term Energy Outlook |
| | | Tcf | Trillion Cubic Feet |

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Highlights

Overview

This issue of the *Natural Gas Monthly* presents the most recent estimates of natural gas data from the Energy Information Administration (EIA). Estimates at the national level extend through October 1998 for many data series.

Highlights of the data contained in this issue are:

- The amount of working gas in underground storage facilities at the beginning of the 1998-99 heating season¹ is estimated to exceed 3 trillion cubic feet for the first time since the end of October 1994.
- Cumulatively through October 1998, domestic natural gas production is estimated to be 0.6 percent above the level for the same period in 1997, and cumulative end-use consumption is 2 percent below that of the previous 2 years.
- During 1998, monthly average natural gas wellhead prices have remained below \$2.00 per thousand cubic feet through July. The highest estimate has been \$1.89 per thousand cubic feet, reached in both April and July.

Supply

Ample supplies and lower consumption have enabled the natural gas industry to exceed 3,000 billion cubic feet of working gas in underground storage facilities at the beginning of the heating season for the first time in 4 years, while monthly wellhead prices have remained below \$2.00 per thousand cubic feet from January through July 1998. Cumulatively for January through October 1998, dry natural gas production is estimated to be 0.6 percent above that of 1997 for the same period (Figure HI1). The most recent estimate of monthly pro-

duction is 1,591 billion cubic feet or 51.3 billion cubic feet per day in October 1998 (Table 1). This daily rate is equal to that of October 1997 and is 1 percent lower than in September 1998.

Cumulatively for January through October 1998, net natural gas imports are estimated to be 2,445 billion cubic feet, 5 percent higher than last year's level. Most of these imports come via pipeline from Canada. Net imports for October 1998 are 253 billion cubic feet or 8.2 billion cubic feet per day, 6 percent higher than the daily rate in October 1997 (Table 2).

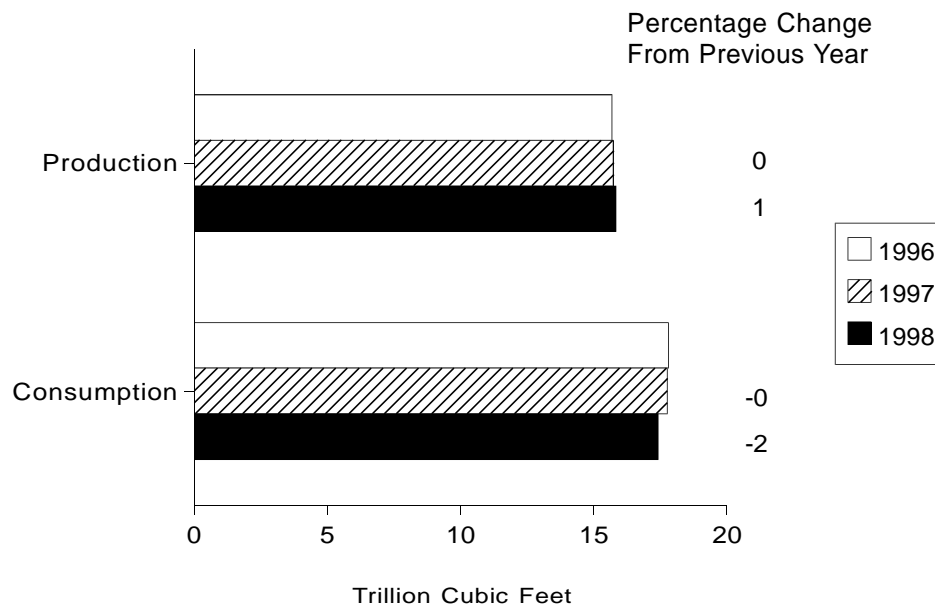
Working gas in storage ended the past heating season (March 31, 1998) at 1,184 billion cubic feet, 19 percent higher than the year earlier level (Figure HI2). Strong net injections during April 1998, of 198 billion cubic feet, brought working gas to a level that was 31 percent higher than a year earlier by the end of the month. Throughout the rest of the 1998 refill season, the relative "surplus" in working gas between 1998 and 1997 declined, but by the end of October 1998, an estimated 3,121 billion cubic feet of working gas is in storage, 8 percent more than at the end of October 1997. The level of working gas last exceeded 3,000 billion cubic feet at the beginning of the heating season when it reached 3,075 billion cubic feet at the end of October 1994.

End-Use Consumption

Cumulative end-use natural gas consumption for January through October 1998 is 2 percent below that of both 1997 and 1996 for the same period. The largest decline in consumption between 1997 and 1998, in both absolute and percentage terms, has occurred in the residential sector, reflecting the generally warmer temperatures experienced in January and February 1998. Cumulative residential natural gas consumption is estimated to be

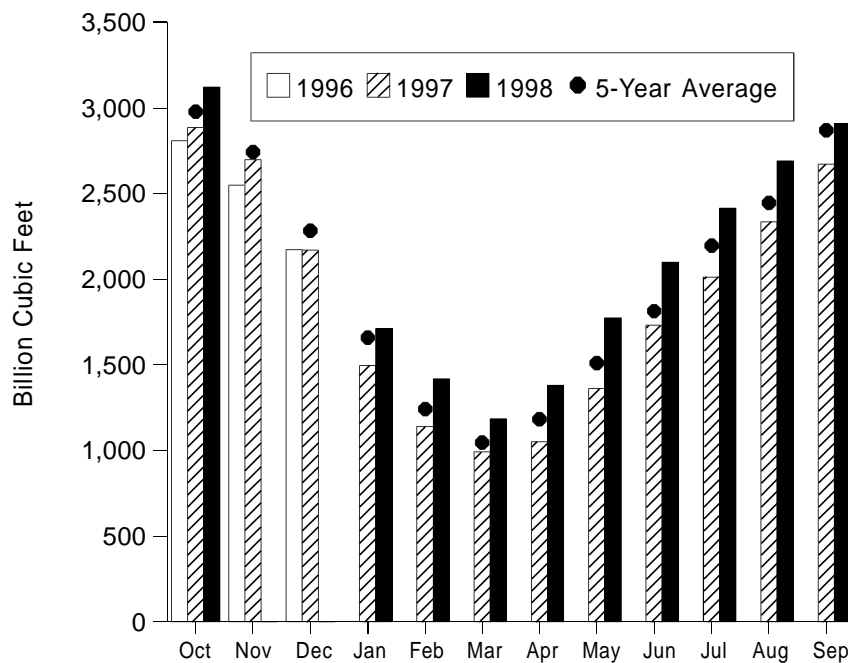
¹The heating season is November 1 through March 31 of the next year. The storage refill season is from April 1 through October 31. The most recent data on working gas are for October 31, 1998.

Figure HI1. Natural Gas Production and Consumption, January-October, 1996-1998



Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1996-1998



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1993 to 1997 while the January average is calculated from January levels for 1994 to 1998. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

3,463 billion cubic feet, 320 billion cubic feet below that for the same period in 1997, a decline of 8 percent (Figure HI3).

Residential consumption of natural gas is estimated to be 218 billion cubic feet in October 1998, 7 percent below that of October 1997 (Table 3). In the commercial sector, the October 1998 estimate of natural gas consumption is 185 billion cubic feet, 5 percent lower than in October 1997. In the industrial sector, natural gas consumption is estimated to have increased in October 1998 compared with October 1997. The October 1998 estimate is 736 billion cubic feet, 5 percent higher than a year ago. However, cumulatively through October, both commercial and industrial natural gas consumption are estimated to be below the level of 1997, by 6 and 2 percent, respectively.

Estimates of natural gas consumption by electric utilities are available through July 1998, when it is estimated that 449 billion cubic feet was consumed. This is 5 percent higher than in July 1997. Cumulatively, for January through July 1998, the electric utility sector consumed an estimated 1,810 billion cubic feet of natural gas, 12 percent more than in 1997 for the same period. In contrast, cumulative natural gas consumption in the other end-use sectors through July was from 3 to 7 percent below that of 1997. The increase in the electric utility sector was driven largely by utility use of natural gas for peak air-conditioning demand as extremely high temperatures lingered in the Southwest during the summer, particularly in Texas. Natural gas consumption by electric utilities in Texas accounted for 30 to 42 percent of the national increase in consumption seen in this sector for May, June, and July 1998.

Prices

Monthly natural gas wellhead prices have been much more stable during 1998 than in either of the past 2 years. The low and high price estimates thus far in 1998 are \$1.71 per thousand cubic feet in June and \$1.89, reached in both April and July (Table 4). This is a range of only \$0.18 per thousand cubic feet compared with the ranges of \$1.81 and \$0.36 over the January-through-July periods of 1997 and 1996, respectively. The July 1998 wellhead estimate is 11 percent higher than that of June 1998. This rise occurred, in part, because severely high temperatures in the Southwest spread to most areas east of the Rockies during the month.²

Cumulatively for January through July 1998, end-use prices³ are estimated to be lower than in 1997, but residential, commercial, and industrial prices are estimated to have increased between June and July 1998. The residential price of natural gas is estimated to be \$8.99 per thousand cubic feet in July 1998, 7 percent higher than in June 1998, and the commercial price is estimated to be \$5.63, 2 percent higher than in June 1998. Cumulatively through July, the average residential and commercial prices are estimated to be 2 and 5 percent lower than in 1997, respectively (Figure HI4). The price paid for natural gas by industrial users in July 1998 is estimated to be \$2.99 per thousand cubic feet, 1 percent higher than in June 1998, but 2 percent lower than in July 1997. Cumulatively through July 1998, the average industrial price is estimated to be 7 percent lower than in 1997.

The average price of natural gas paid by electric utilities is estimated to be \$2.40 per thousand cubic feet in June 1998, 2 percent lower than in May 1998 and 7 percent lower than in June 1997. Cumulatively for January through June 1998, the electric utility price is estimated to be 9 percent below that of 1997.

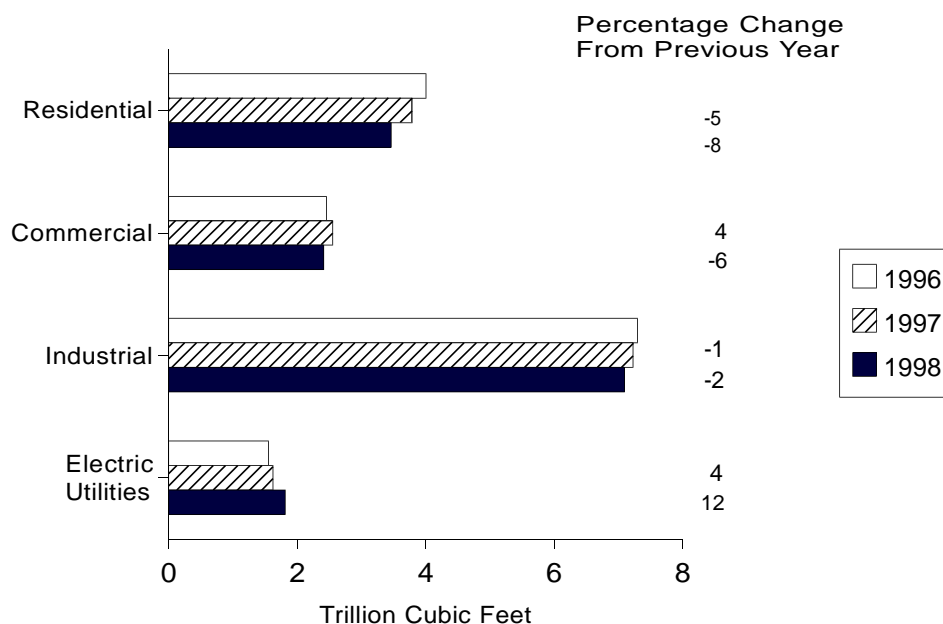
Recent data on natural gas futures prices reflect the abundant supply situation during October 1998, the last month of the 1998 storage refill season. Threats to natural gas production in the Gulf of Mexico from hurricane "Georges" and outages at two gas-processing plants in Louisiana caused by subsequent flooding⁴ helped push both daily spot and nearby month futures prices at the Henry Hub over \$2.00 per million Btu beginning in mid-September 1998. The futures settlement price climbed sharply to \$2.432 per million Btu on October 2, but then fell by 16 percent to \$2.041 on October 14, as the industry recovered from the effects of the hurricane and storage levels remained robust (Figure HI5). For the first time all year, the average daily spot price fell significantly below the futures settlement price during October. On October 23, 1998, the futures price settled at \$2.164 per million Btu (the November contract closes October 28) while the average spot price was \$1.85. Both price series have been well below those of 1997 in recent months. But during 1997, high temperatures and severe problems with the delivery of coal to electric utilities in Texas helped to spur an unusual increase in natural gas prices in the late summer. Prices later collapsed in November 1997.

²Energy Information Administration, *Natural Gas Weekly Market Update*, (June 29, 1998), <http://www.eia.doe.gov>.

³End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 1998 they have been from 51 to 72 percent of commercial deliveries and only 13 to 17 percent of industrial deliveries (Table 4).

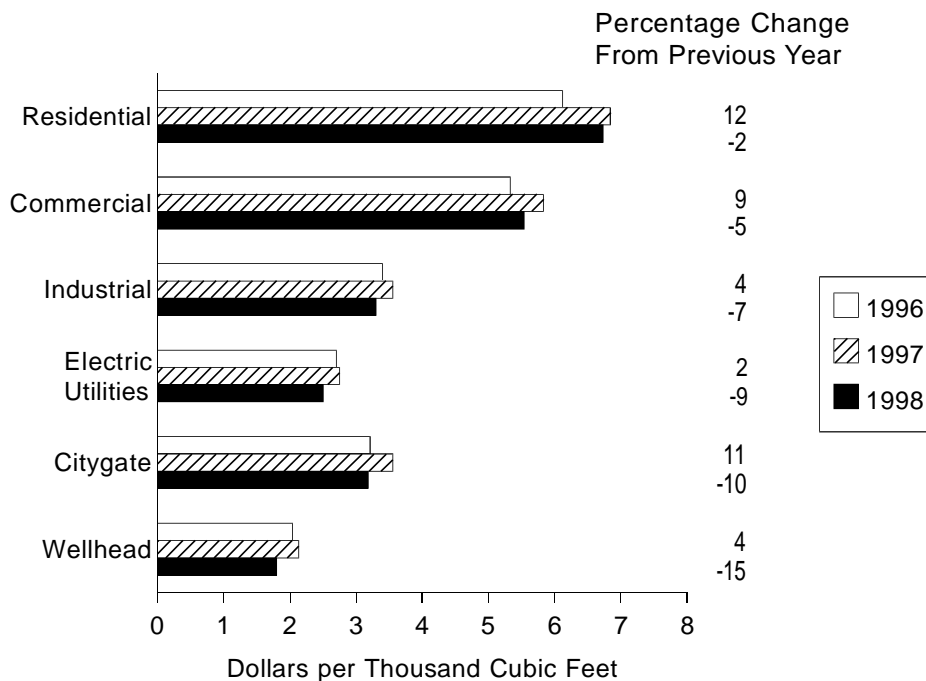
⁴Energy Information Administration, *Natural Gas Weekly Market Update*, (October 5, 1998), <http://www.eia.doe.gov>.

Figure HI3. Natural Gas Delivered to Consumers, January-October, 1996-1998



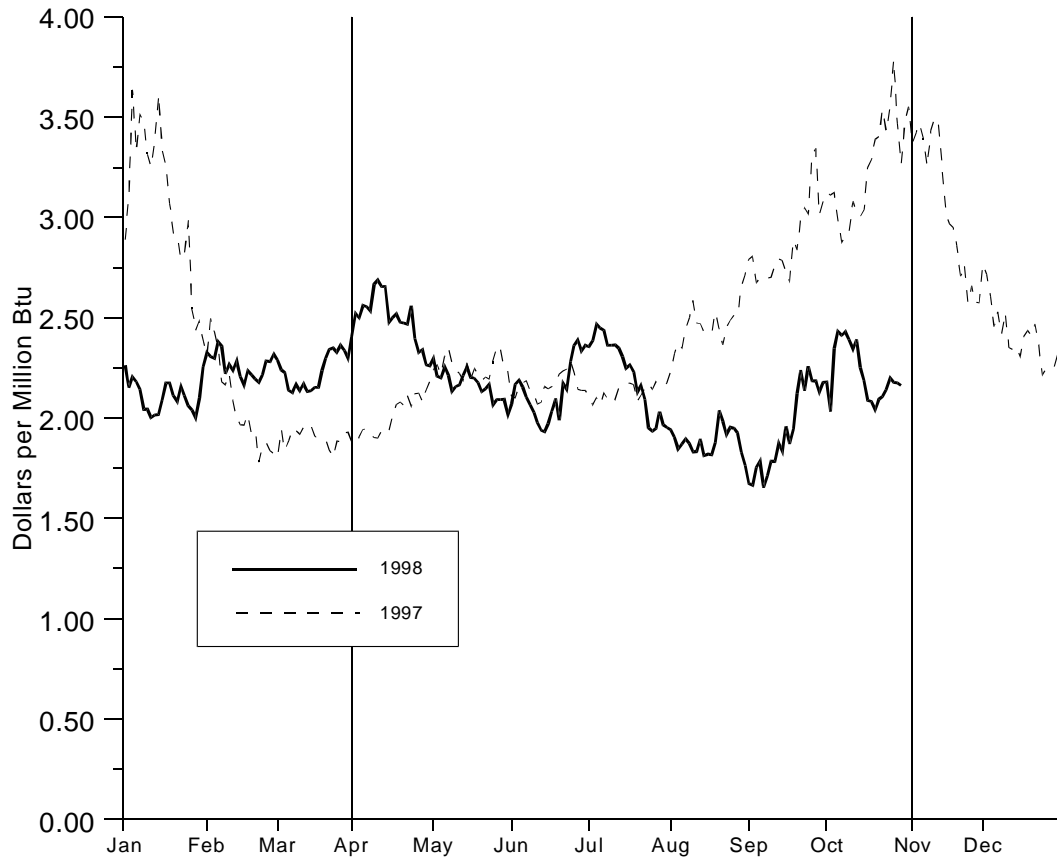
Note: The reporting of electric utility deliveries is 3 months behind the reporting of other deliveries.
Source: Table 3.

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-July 1996-1998



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices..
Source: Table 4.

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the nearby month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1992-1998
(Billion Cubic Feet)

| Year and Month | Gross Withdrawals | Repressuring | Nonhydrocarbon Gases Removed ^a | Vented and Flared | Marketed Production (Wet) | Extraction Loss ^b | Dry Gas Production ^c |
|-------------------------------|---------------------|--------------------|---|-------------------|---------------------------|------------------------------|---------------------------------|
| 1992 Total | 22,132 | 2,973 | 280 | 168 | 18,712 | 872 | 17,840 |
| 1993 Total | 22,726 | 3,103 | 414 | 227 | 18,982 | 886 | 18,095 |
| 1994 Total | 23,581 | 3,231 | 412 | 228 | 19,710 | 889 | 18,821 |
| 1995 Total | 23,744 | 3,565 | 388 | 284 | 19,506 | 908 | 18,599 |
| 1996 | | | | | | | |
| January | 2,052 | 310 | 44 | 26 | 1,673 | 81 | 1,591 |
| February | 1,941 | 294 | 41 | 24 | 1,580 | 77 | 1,504 |
| March | 2,054 | 313 | 45 | 23 | 1,674 | 81 | 1,592 |
| April | 2,003 | 289 | 42 | 22 | 1,650 | 80 | 1,570 |
| May | 2,025 | 281 | 42 | 23 | 1,679 | 81 | 1,598 |
| June | 1,962 | 276 | 36 | 16 | 1,634 | 79 | 1,555 |
| July | 2,008 | 271 | 42 | 24 | 1,672 | 81 | 1,591 |
| August | 2,021 | 281 | 45 | 24 | 1,671 | 81 | 1,590 |
| September | 1,958 | 283 | 44 | 22 | 1,609 | 78 | 1,531 |
| October | 2,011 | 306 | 44 | 23 | 1,638 | 79 | 1,558 |
| November | 1,984 | 299 | 47 | 23 | 1,615 | 78 | 1,537 |
| December | 2,032 | 307 | 46 | 23 | 1,656 | 80 | 1,576 |
| Total | 24,052 | 3,510 | 518 | 272 | 19,751 | 958 | 18,793 |
| 1997 | | | | | | | |
| January | ^E 2,094 | ^E 327 | ^E 41 | ^E 21 | ^E 1,704 | ^E 83 | ^E 1,622 |
| February | ^E 1,910 | ^E 301 | ^E 38 | ^E 19 | ^E 1,553 | ^E 75 | ^E 1,477 |
| March | ^E 2,098 | ^E 322 | ^E 43 | ^E 23 | ^E 1,711 | ^E 83 | ^E 1,628 |
| April | ^E 1,985 | ^E 296 | ^E 42 | ^E 21 | ^E 1,626 | ^E 79 | ^E 1,547 |
| May | ^E 2,070 | ^E 313 | ^E 42 | ^E 21 | ^E 1,693 | ^E 82 | ^E 1,610 |
| June | ^E 1,975 | ^E 294 | ^E 40 | ^E 21 | ^E 1,620 | ^E 79 | ^E 1,541 |
| July | ^E 2,032 | ^E 295 | ^E 42 | ^E 22 | ^E 1,674 | ^E 81 | ^E 1,593 |
| August | ^E 2,009 | ^E 283 | ^E 42 | ^E 22 | ^E 1,663 | ^E 81 | ^E 1,582 |
| September | ^E 1,983 | ^E 295 | ^E 42 | ^E 21 | ^E 1,625 | ^E 79 | ^E 1,546 |
| October | ^E 2,054 | ^E 318 | ^E 44 | ^E 23 | ^E 1,669 | ^E 81 | ^E 1,589 |
| November | ^E 2,026 | ^E 308 | ^E 43 | ^E 22 | ^E 1,654 | ^E 80 | ^E 1,574 |
| December | ^E 2,106 | ^E 334 | ^E 44 | ^E 24 | ^E 1,704 | ^E 83 | ^E 1,621 |
| Total | ^E 24,342 | ^E 3,685 | ^E 503 | ^E 258 | ^E 19,895 | ^E 965 | ^E 18,930 |
| 1998 | | | | | | | |
| January | ^E 2,107 | ^E 331 | ^E 45 | ^E 22 | ^E 1,708 | ^E 83 | ^E 1,625 |
| February | ^E 1,923 | ^E 293 | ^E 41 | ^E 19 | ^E 1,570 | ^E 76 | ^E 1,494 |
| March | ^E 2,097 | ^E 320 | ^E 45 | ^E 22 | ^E 1,710 | ^E 83 | ^E 1,627 |
| April | ^E 1,986 | ^E 285 | ^E 43 | ^E 21 | ^E 1,636 | ^E 79 | ^E 1,557 |
| May | ^{RE} 2,011 | ^{RE} 261 | ^E 42 | ^{RE} 20 | ^{RE} 1,687 | ^{RE} 82 | ^{RE} 1,605 |
| June | ^{RE} 1,974 | ^{RE} 270 | ^{RE} 43 | ^{RE} 21 | ^{RE} 1,639 | ^E 79 | ^{RE} 1,560 |
| July | ^{RE} 2,037 | ^{RE} 278 | ^E 44 | ^E 21 | ^E 1,693 | ^E 82 | ^E 1,611 |
| August | ^E 2,021 | ^E 272 | ^E 44 | ^E 21 | ^E 1,685 | ^E 82 | ^E 1,603 |
| September(STIFS) | NA | NA | NA | NA | ^E 1,640 | ^E 80 | ^E 1,561 |
| October(STIFS) | NA | NA | NA | NA | ^E 1,673 | ^E 81 | ^E 1,591 |
| 1998 YTD | NA | NA | NA | NA | ^E 16,641 | ^E 807 | ^E 15,834 |
| 1997 YTD | ^E 20,210 | ^E 3,043 | ^E 416 | ^E 213 | ^E 16,538 | ^E 802 | ^E 15,736 |
| 1996 YTD | 20,035 | 2,904 | 425 | 226 | 16,479 | 799 | 15,680 |

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^E = Estimated Data.

^{RE} = Revised Estimated Data.

NA = Not Available.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1992-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*. January 1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1992-1998
(Billion Cubic Feet)

| Year and Month | Dry Gas Production | Supplemental Gaseous Fuels ^a | Net Imports | Net Storage Withdrawals ^b | Balancing Item ^c | Consumption ^d |
|-------------------------------|---------------------|---|--------------------|--------------------------------------|-----------------------------|--------------------------|
| 1992 Total | 17,840 | 118 | 1,921 | 173 | -508 | 19,544 |
| 1993 Total | 18,095 | 119 | 2,210 | -36 | -110 | 20,279 |
| 1994 Total | 18,821 | 111 | 2,462 | -286 | -400 | 20,708 |
| 1995 Total | 18,599 | 110 | 2,687 | 415 | -230 | 21,581 |
| 1996 | | | | | | |
| January | 1,591 | 12 | 249 | 723 | -2 | 2,574 |
| February | 1,504 | 11 | 221 | 462 | 138 | 2,335 |
| March | 1,592 | 11 | 226 | 333 | 46 | 2,209 |
| April | 1,570 | 9 | 227 | -119 | 139 | 1,826 |
| May | 1,598 | 6 | 244 | -339 | 67 | 1,576 |
| June | 1,555 | 8 | 214 | -388 | 65 | 1,454 |
| July | 1,591 | 8 | 222 | -382 | -3 | 1,436 |
| August | 1,590 | 8 | 221 | -358 | 4 | 1,465 |
| September | 1,531 | 8 | 227 | -379 | 12 | 1,399 |
| October | 1,558 | 9 | 236 | -210 | -62 | 1,531 |
| November | 1,537 | 10 | 238 | 272 | -161 | 1,896 |
| December | 1,576 | 10 | 259 | 387 | 35 | 2,266 |
| Total | 18,793 | 109 | 2,784 | 2 | 279 | 21,967 |
| 1997 | | | | | | |
| January | ^E 1,622 | ^E 13 | 266 | 684 | -68 | 2,516 |
| February | ^E 1,477 | ^E 11 | 228 | 358 | ^R 184 | ^R 2,259 |
| March | ^E 1,628 | ^E 10 | 241 | 155 | 74 | 2,108 |
| April | ^E 1,547 | ^E 9 | 224 | -58 | ^R 73 | ^R 1,795 |
| May | ^E 1,610 | ^E 9 | 232 | -321 | ^R 69 | ^R 1,599 |
| June | ^E 1,541 | ^E 7 | 223 | -364 | 50 | ^R 1,457 |
| July | ^E 1,593 | ^E 8 | 225 | -281 | ^R -5 | ^R 1,540 |
| August | ^E 1,582 | ^E 9 | 227 | -322 | ^R 22 | ^R 1,518 |
| September | ^E 1,546 | ^E 7 | 226 | -336 | ^R -3 | ^R 1,442 |
| October | ^E 1,589 | ^E 9 | 239 | -211 | -93 | 1,533 |
| November | ^E 1,574 | ^E 11 | 259 | 189 | ^R -145 | ^R 1,888 |
| December | ^E 1,621 | ^E 12 | 246 | 533 | -97 | 2,316 |
| Total | ^E 18,930 | ^E 116 | 2,837 | 27 | ^R 60 | ^R 21,970 |
| 1998 | | | | | | |
| January | ^E 1,625 | ^E 12 | 267 | 466 | ^R 24 | ^R 2,394 |
| February | ^E 1,494 | ^E 10 | 237 | 299 | ^R 59 | ^R 2,099 |
| March | ^E 1,627 | ^E 11 | 244 | 241 | ^R 0 | ^R 2,123 |
| April | ^E 1,557 | ^E 9 | ^R 235 | -198 | ^R 98 | 1,701 |
| May | ^{RE} 1,605 | ^R 8 | ^R 240 | -393 | ^R 49 | ^R 1,510 |
| June | ^{RE} 1,560 | ^E 7 | ^R 236 | -323 | ^R -14 | 1,466 |
| July | ^E 1,611 | ^E 9 | ^{RE} 247 | -314 | ^R 9 | 1,566 |
| August | ^E 1,603 | ^E 9 | ^E 255 | -283 | ^E -32 | ^R 1,551 |
| September(STIFS) | ^E 1,561 | ^E 9 | ^E 231 | ^{RE} -215 | ^{RE} -113 | ^{RE} 1,473 |
| October(STIFS) | ^E 1,591 | ^E 10 | ^E 253 | ^E -211 | ^E -112 | ^E 1,531 |
| 1998 YTD | ^E 15,834 | ^E 94 | ^E 2,445 | ^E -931 | ^E -32 | ^E 17,414 |
| 1997 YTD | ^E 15,736 | ^E 93 | 2,332 | -696 | 302 | 17,766 |
| 1996 YTD | 15,680 | 89 | 2,288 | -657 | 403 | 17,803 |

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0025 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1991 through 1996 include underground storage and liquefied natural gas storage. Data for January 1997 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

^R = Revised Data.

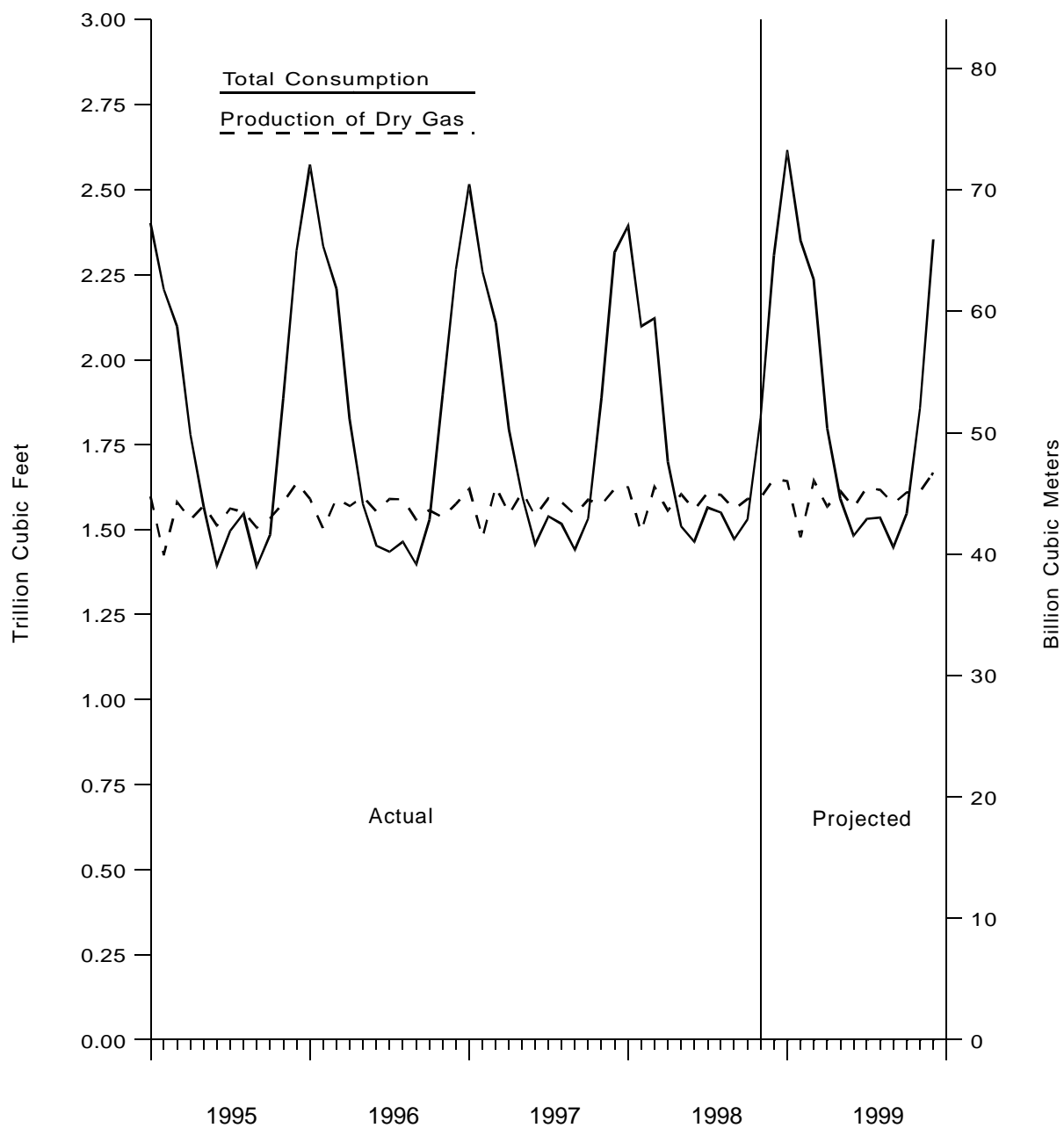
^E = Estimated Data.

^{RE} = Revised Estimated Data.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1992-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*, 1994-1995: EIA: Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1995 data only), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-191, "Monthly Underground Gas Storage Report," Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," EIA computations and *Natural Gas Annual 1996*. January 1997 through current month: EIA, Form EIA-895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1995-1999



Sources: 1995 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook* (October 1997).

Table 3. Natural Gas Consumption in the United States, 1992-1998
(Billion Cubic Feet)

| Year and Month | Lease and Plant Fuel ^a | Pipeline Fuel ^b | Delivered to Consumers | | | | | Total Consumption |
|-----------------------------------|-----------------------------------|----------------------------|------------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| | | | Residential | Commercial | Industrial | Electric Utilities | Total | |
| 1992 Total | 1,171 | 588 | 4,690 | ^c 2,803 | 7,527 | 2,766 | 17,786 | 19,544 |
| 1993 Total | 1,172 | 624 | 4,956 | ^c 2,863 | 7,981 | 2,682 | 18,483 | 20,279 |
| 1994 Total | 1,124 | 685 | 4,848 | ^c 2,897 | 8,167 | 2,987 | 18,899 | 20,708 |
| 1995 Total | 1,220 | 700 | 4,850 | ^c 3,034 | 8,580 | 3,197 | 19,660 | 21,581 |
| 1996 | | | | | | | | |
| January | 106 | 85 | 934 | 480 | 800 | 168 | 2,382 | 2,574 |
| February | 101 | 77 | 831 | 443 | 747 | 137 | 2,158 | 2,335 |
| March | 106 | 72 | 705 | 387 | 781 | 156 | 2,030 | 2,209 |
| April | 104 | 59 | 474 | 284 | 736 | 170 | 1,663 | 1,826 |
| May | 106 | 50 | 271 | 183 | 701 | 264 | 1,420 | 1,576 |
| June | 102 | 46 | 162 | 133 | 710 | 299 | 1,305 | 1,454 |
| July | 105 | 46 | 124 | 126 | 677 | 358 | 1,285 | 1,436 |
| August | 105 | 47 | 118 | 123 | 704 | 367 | 1,312 | 1,465 |
| September | 102 | 45 | 138 | 124 | 706 | 285 | 1,253 | 1,399 |
| October | 104 | 49 | 243 | 171 | 737 | 226 | 1,378 | 1,531 |
| November | 103 | 62 | 503 | 295 | 764 | 170 | 1,732 | 1,896 |
| December | 105 | 74 | 738 | 409 | 807 | 132 | 2,086 | 2,266 |
| Total | 1,250 | 711 | 5,241 | ^c 3,161 | 8,870 | 2,732 | 20,006 | 21,967 |
| 1997 | | | | | | | | |
| January | ^E 107 | ^R 81 | 907 | 478 | 804 | 139 | 2,328 | 2,516 |
| February | ^E 97 | 73 | 767 | 428 | ^R 749 | 143 | ^R 2,088 | ^R 2,259 |
| March | ^E 107 | 68 | 609 | ^R 367 | ^R 767 | 190 | ^R 1,932 | 2,108 |
| April | ^E 102 | 58 | 436 | ^R 274 | ^R 731 | 193 | ^R 1,635 | ^R 1,795 |
| May | ^E 106 | 52 | 288 | ^R 212 | ^R 710 | 231 | ^R 1,442 | ^R 1,599 |
| June | ^E 101 | 47 | 165 | 161 | 687 | 296 | 1,309 | ^R 1,457 |
| July | ^E 105 | 50 | 129 | ^R 150 | ^R 680 | 428 | ^R 1,386 | ^R 1,540 |
| August | ^E 104 | 49 | ^R 118 | ^R 144 | ^R 711 | 391 | ^R 1,365 | ^R 1,518 |
| September | ^E 102 | 47 | 130 | 146 | ^R 685 | 333 | ^R 1,293 | ^R 1,442 |
| October | ^E 105 | 50 | 235 | 194 | 704 | 246 | 1,379 | 1,533 |
| November | ^E 104 | 61 | 499 | 318 | ^R 726 | 180 | ^R 1,723 | ^R 1,888 |
| December | ^E 107 | 75 | ^R 731 | ^R 415 | 790 | 199 | 2,134 | 2,316 |
| Total | ^E 1,245 | 712 | ^R 5,013 | ^R 3,285 | ^R 8,745 | 2,969 | ^R 20,013 | ^R 21,970 |
| 1998 | | | | | | | | |
| January | ^E 107 | 78 | 794 | ^R 446 | 799 | 171 | ^R 2,210 | ^R 2,394 |
| February | ^E 98 | 68 | ^R 680 | ^R 389 | 730 | 134 | ^R 1,933 | ^R 2,099 |
| March | ^E 107 | 69 | ^R 636 | ^R 369 | 749 | 194 | ^R 1,948 | ^R 2,123 |
| April | ^E 102 | 55 | 405 | 254 | 694 | 190 | 1,543 | 1,701 |
| May | ^{RE} 106 | ^R 49 | 219 | 175 | ^R 668 | 293 | ^R 1,355 | ^R 1,510 |
| June | ^{RE} 103 | 47 | ^R 152 | 145 | 641 | 379 | 1,316 | 1,466 |
| July | ^E 106 | 51 | 123 | 154 | 683 | 449 | 1,409 | 1,566 |
| August(STIFS) | ^E 103 | ^E 48 | ^R 111 | ^E 145 | ^E 708 | NA | ^R 1,400 | ^R 1,551 |
| September(STIFS) | ^E 101 | ^E 48 | ^E 124 | ^E 148 | ^E 690 | NA | ^{RE} 1,324 | ^{RE} 1,473 |
| October(STIFS) | ^E 104 | ^E 51 | ^E 218 | ^E 185 | ^E 736 | NA | ^E 1,376 | ^E 1,531 |
| 1998 YTD^d | ^E 1,037 | ^E 564 | ^E 3,463 | ^E 2,408 | ^E 7,097 | 1,810 | ^E 15,814 | ^E 17,414 |
| 1997 YTD | ^E 1,035 | 575 | 3,783 | 2,553 | 7,229 | 1,620 | 16,156 | 17,766 |
| 1996 YTD | 1,042 | 576 | 4,001 | 2,455 | 7,299 | 1,552 | 16,185 | 17,803 |

^a Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption (excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Vehicle fuel deliveries, in billion cubic feet, were 0.4 in 1991, 0.5 in 1992, 1.0 in 1993, 1.7 in 1994, 2.7 in 1995 and 2.9 in 1996.

^d Year-to-date volume represents months for which volume information is available in the current year.

^R = Revised Data.

^E = Estimated Data.

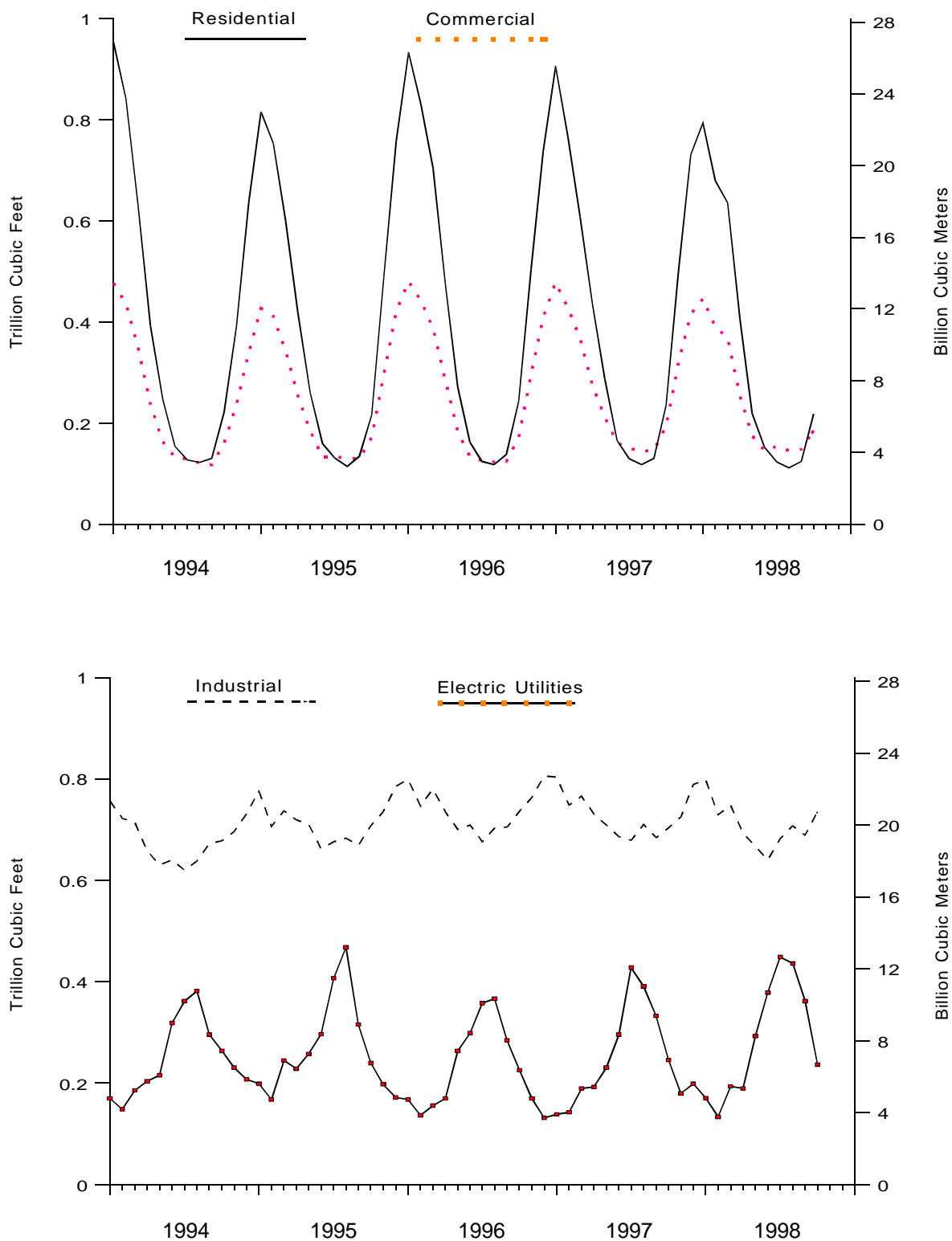
^{RE} = Revised Estimated Data.

NA = Not Available.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1992-1996: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1996*. January 1997 through the current month: EIA: Form 895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1994-1998



Sources: *Natural Gas Annual*, Form EIA-857, and Form EIA-759.

Table 4. Selected National Average Natural Gas Prices, 1992-1998

(Dollars per Thousand Cubic Feet)

| Year and Month | Wellhead Price ^a | City Gate Price | Delivered to Consumers | | | | | |
|-----------------------------------|-----------------------------|-------------------|------------------------|-------------------|-------------------------|-------------------|-------------------------|--------------------------|
| | | | Residential Price | Commercial | | Industrial | | Electric Utilities Price |
| | | | | Price | % of Total ^b | Price | % of Total ^b | |
| 1992 Annual Average | 1.74 | 3.01 | 5.89 | 4.88 | 83.2 | 2.84 | 30.3 | 2.36 |
| 1993 Annual Average | 2.04 | 3.21 | 6.16 | 5.22 | 83.9 | 3.07 | 29.7 | 2.61 |
| 1994 Annual Average | 1.85 | 3.07 | 6.41 | 5.44 | 79.3 | 3.05 | 25.5 | 2.28 |
| 1995 Annual Average | 1.55 | 2.78 | 6.06 | 5.05 | 76.7 | 2.71 | 24.5 | 2.02 |
| 1996 | | | | | | | | |
| January | 2.05 | 3.14 | 5.64 | 5.29 | 83.2 | 3.61 | 22.0 | 2.87 |
| February | 1.89 | 3.16 | 5.82 | 5.25 | 83.3 | 3.61 | 22.7 | 3.07 |
| March | 1.95 | 3.17 | 5.93 | 5.36 | 81.8 | 3.52 | 22.3 | 2.73 |
| April | 2.08 | 3.22 | 6.27 | 5.34 | 79.5 | 3.42 | 20.5 | 2.68 |
| May | 2.01 | 3.18 | 6.84 | 5.40 | 74.6 | 3.14 | 18.7 | 2.52 |
| June | 2.08 | 3.41 | 7.83 | 5.43 | 70.0 | 3.13 | 16.7 | 2.59 |
| July | 2.25 | 3.49 | 8.64 | 5.46 | 67.8 | 3.17 | 18.6 | 2.69 |
| August | 2.10 | 3.46 | 8.73 | 5.56 | 66.3 | 3.05 | 17.4 | 2.57 |
| September | 1.85 | 3.05 | 7.99 | 5.46 | 67.1 | 2.77 | 16.9 | 2.24 |
| October | 1.94 | 2.94 | 7.05 | 5.33 | 69.1 | 2.89 | 17.2 | 2.37 |
| November | 2.50 | 3.46 | 6.37 | 5.40 | 75.7 | 3.57 | 18.5 | 3.04 |
| December | 3.26 | 4.18 | 6.47 | 5.78 | 78.1 | 4.20 | 20.0 | 3.98 |
| Annual Average | 2.17 | 3.34 | 6.34 | 5.40 | 77.6 | 3.42 | 19.4 | 2.69 |
| 1997 | | | | | | | | |
| January | 3.42 | 4.27 | 6.74 | 6.15 | 77.9 | ^R 4.65 | 19.4 | 4.08 |
| February | 2.44 | 3.78 | 6.80 | ^R 6.10 | 76.9 | ^R 4.22 | ^R 17.6 | 3.18 |
| March | 1.61 | 3.05 | ^R 6.47 | ^R 5.74 | 73.0 | ^R 3.37 | 17.4 | 2.39 |
| April | 1.64 | 2.94 | 6.57 | ^R 5.47 | ^R 70.6 | 3.00 | ^R 16.8 | 2.34 |
| May | 1.87 | 3.14 | 6.84 | ^R 5.39 | ^R 63.7 | ^R 2.93 | ^R 16.5 | 2.51 |
| June | 2.01 | 3.38 | ^R 8.26 | 5.61 | 60.0 | 3.07 | 15.9 | 2.59 |
| July | 1.91 | 3.50 | ^R 8.71 | ^R 5.34 | 58.2 | ^R 3.05 | ^R 13.9 | 2.49 |
| August | 1.95 | 3.39 | ^R 8.93 | ^R 5.38 | ^R 56.8 | ^R 2.94 | ^R 13.8 | 2.58 |
| September | 2.22 | 3.57 | ^R 8.78 | ^R 5.63 | 57.5 | ^R 3.20 | ^R 13.9 | 2.99 |
| October | 2.70 | 3.90 | 7.65 | 5.73 | 61.6 | 3.66 | 15.2 | 3.30 |
| November | 2.77 | 3.92 | ^R 6.87 | ^R 5.87 | 67.3 | ^R 4.08 | ^R 16.1 | 3.48 |
| December | 2.17 | ^R 3.41 | ^R 6.52 | 5.72 | ^R 71.9 | 3.79 | 15.1 | 2.85 |
| Annual Average | 2.23 | 3.59 | ^R 6.94 | ^R 5.79 | ^R 69.3 | ^R 3.55 | ^R 16.0 | 2.81 |
| 1998 | | | | | | | | |
| January | ^E 1.72 | 3.28 | ^R 6.46 | ^R 5.59 | ^R 72.4 | 3.68 | 14.9 | 2.64 |
| February | ^E 1.64 | 3.08 | 6.41 | ^R 5.56 | ^R 71.0 | 3.52 | 15.3 | 2.51 |
| March | ^E 1.86 | 3.22 | ^R 6.27 | ^R 5.38 | ^R 71.7 | 3.41 | 16.5 | 2.54 |
| April | ^E 1.89 | 3.22 | ^R 6.77 | ^R 5.57 | 67.0 | 3.22 | 15.0 | 2.59 |
| May | ^E 1.88 | ^R 3.11 | ^R 7.59 | 5.61 | 60.3 | ^R 3.10 | ^R 13.9 | 2.46 |
| June | ^E 1.71 | 2.97 | ^R 8.40 | 5.53 | 60.0 | ^R 2.95 | ^R 14.0 | 2.40 |
| July | ^E 1.89 | 3.34 | 8.99 | 5.63 | 51.2 | 2.99 | 12.6 | NA |
| 1998 YTD^c | ^E 1.80 | 3.18 | 6.73 | 5.54 | 67.6 | 3.30 | 14.7 | 2.50 |
| 1997 YTD | 2.13 | 3.55 | 6.84 | 5.83 | 71.6 | 3.55 | 16.9 | 2.75 |
| 1996 YTD | 2.04 | 3.21 | 6.12 | 5.33 | 79.8 | 3.40 | 20.3 | 2.70 |

^a See Appendix A, Explanatory Note 8, of the *Natural Gas Monthly (NGM)* for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 24 for breakdown by State.

^c Year-to-date price represents months for which price information is available in the current year.

^R = Revised Data.

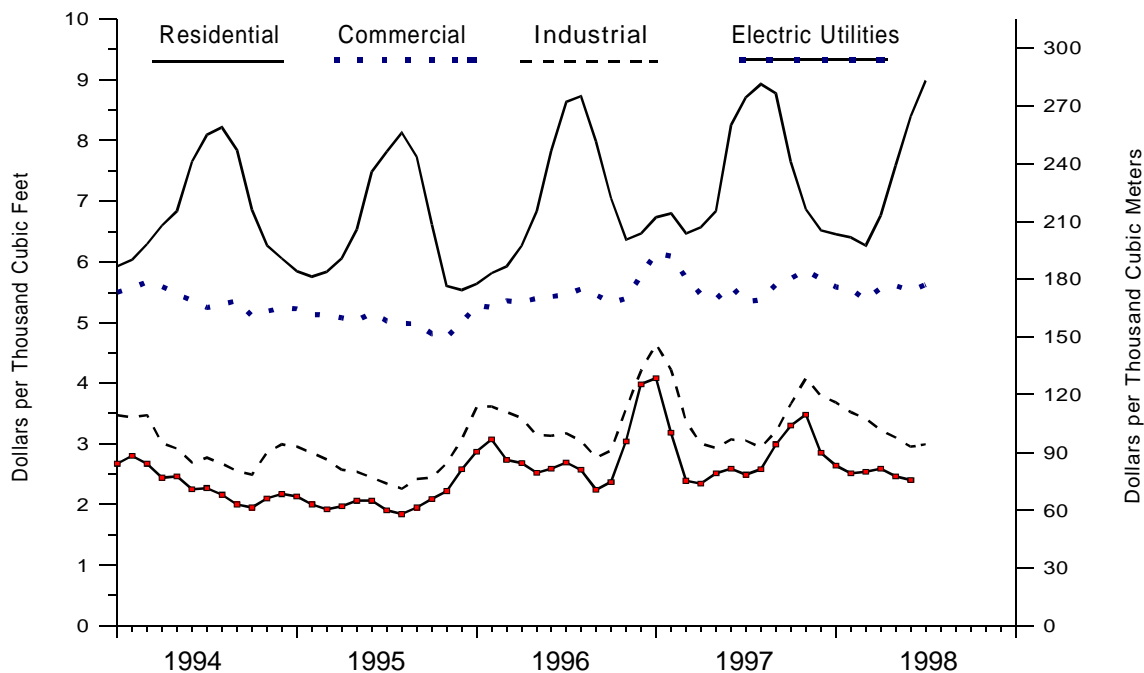
^E = Estimated Data.

NA = Not Available.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

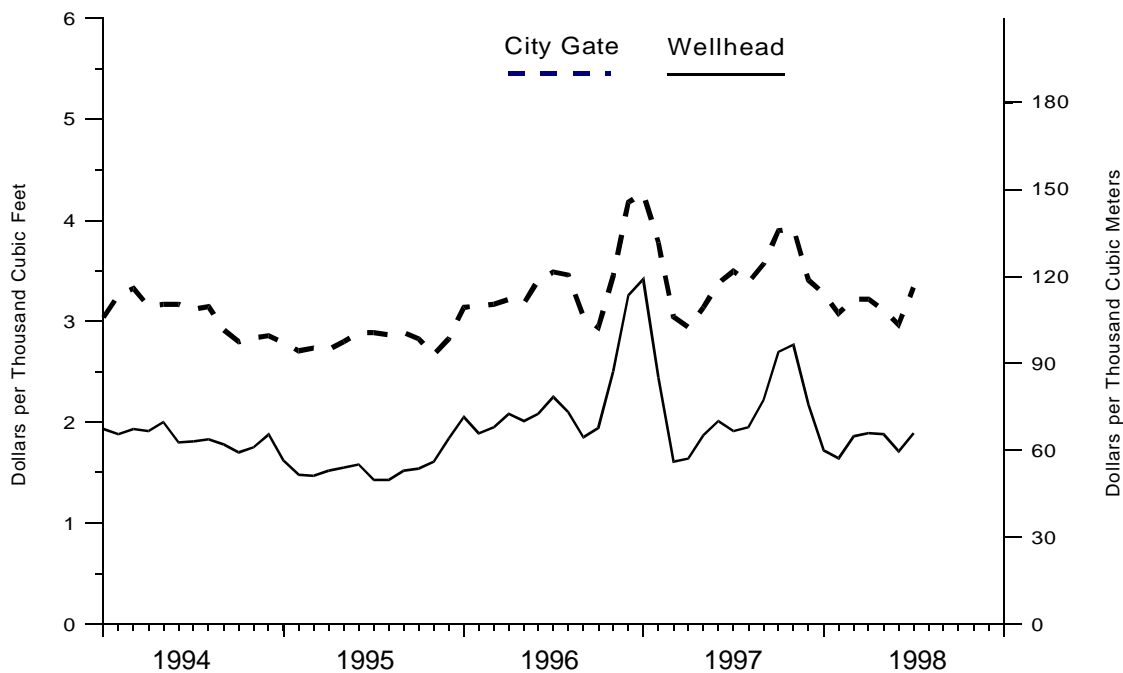
Sources: 1990-1996: Energy Information Administration (EIA) *Natural Gas Annual 1996*. 1997 forward: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. January 1997 through current month: See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the United States, 1994-1998



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1994-1998



Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1992-1998

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

| Year and Month | Pipeline | | | | LNG | | | | Total | |
|-------------------------|------------------------|-------------------|--------------------|-------------------|---------|-------------------|--------------------|-------------------|------------------------|-------------------|
| | Canada | | Mexico | | Algeria | | Other | | Volume | Average Price |
| | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Average Price | | |
| 1992 Total | 2,094,387 | 1.84 | — | — | 43,116 | 2.54 | — | — | 2,137,504 | 1.85 |
| 1993 Total | 2,266,751 | 2.02 | 1,678 | 1.94 | 81,685 | 2.20 | — | — | 2,350,115 | 2.03 |
| 1994 Total | 2,566,049 | 1.86 | 7,013 | 1.99 | 50,778 | 2.28 | — | — | 2,623,839 | 1.87 |
| 1995 Total | 2,816,408 | 1.48 | 6,722 | 1.53 | 17,918 | 2.30 | — | — | 2,841,048 | 1.49 |
| 1996 | | | | | | | | | | |
| January | 259,656 | 2.08 | 1,499 | 2.03 | 2,460 | 2.81 | — | — | 263,615 | 2.09 |
| February | 230,546 | 1.94 | 698 | 2.14 | 2,512 | 2.79 | — | — | 233,756 | 1.95 |
| March | 237,668 | 1.91 | 1,259 | 2.34 | 2,599 | 3.06 | — | — | 241,526 | 1.92 |
| April | 230,928 | 1.86 | 1,369 | 2.18 | 4,559 | 2.43 | — | — | 236,857 | 1.87 |
| May | 245,522 | 1.70 | 4,024 | 2.14 | 2,612 | 2.58 | — | — | 252,158 | 1.72 |
| June | 225,875 | 1.70 | 711 | 2.35 | 0 | — | — | — | 226,587 | 1.70 |
| July | 232,908 | 1.82 | 1,313 | 2.58 | 2,642 | 3.00 | — | — | 236,864 | 1.84 |
| August | 235,199 | 1.80 | 30 | 1.70 | 2,629 | 2.56 | — | — | 237,858 | 1.80 |
| September | 234,206 | 1.60 | 770 | 1.69 | 0 | — | ^a 2,524 | 3.34 | 237,500 | 1.62 |
| October | 241,294 | 1.68 | 1,110 | 2.37 | 5,116 | 2.96 | — | — | 247,520 | 1.71 |
| November | 245,795 | 2.25 | 982 | 2.85 | 5,031 | 2.59 | — | — | 251,807 | 2.26 |
| December | 263,681 | 3.00 | 96 | 3.30 | 5,164 | 2.51 | ^a 2,425 | 3.57 | 271,366 | 3.00 |
| Total | 2,883,277 | 1.96 | 13,862 | 2.25 | 35,325 | 2.70 | 4,949 | 3.45 | 2,937,413 | 1.97 |
| 1997 | | | | | | | | | | |
| January | 266,756 | 3.27 | 1,555 | 3.09 | 7,560 | 2.78 | ^a 2,417 | 3.68 | 278,288 | 3.26 |
| February | 230,352 | 2.50 | 2,526 | 2.49 | 7,667 | 3.00 | — | — | 240,545 | 2.52 |
| March | 251,328 | 1.70 | 3,127 | 1.83 | 2,530 | 2.98 | — | — | 256,985 | 1.72 |
| April | 235,431 | 1.66 | 189 | 1.92 | 2,557 | 2.23 | — | — | 238,178 | 1.67 |
| May | 234,345 | 1.81 | 2,380 | 2.03 | 2,552 | 2.20 | ^b 2,455 | 2.68 | 241,732 | 1.83 |
| June | 225,366 | 1.87 | 1,692 | 2.20 | 5,059 | 2.49 | — | — | 232,118 | 1.88 |
| July | 229,479 | 1.82 | 1,088 | 1.98 | 5,026 | 2.48 | — | — | 235,593 | 1.84 |
| August | 237,142 | 1.81 | 6 | 2.35 | 7,535 | 2.43 | — | — | 244,684 | 1.83 |
| September | 232,090 | 2.00 | 29 | 2.47 | 5,030 | 2.41 | ^b 2,337 | 2.88 | 239,486 | 2.01 |
| October | 245,742 | 2.32 | 965 | 2.92 | 5,050 | 2.70 | — | — | 251,758 | 2.33 |
| November | 257,782 | 2.71 | 1,874 | 2.82 | 7,542 | 2.89 | ^b 4,893 | 3.07 | 272,091 | 2.72 |
| December | 253,338 | 2.17 | 1,810 | 2.12 | 7,567 | 2.88 | — | — | 262,716 | 2.19 |
| Total | 2,899,152 | 2.15 | 17,243 | 2.32 | 65,675 | 2.67 | 12,103 | 3.08 | 2,994,173 | 2.17 |
| 1998 | | | | | | | | | | |
| January | 273,189 | 2.02 | 56 | 2.11 | 10,105 | 2.89 | — | — | 283,351 | 2.05 |
| February | 235,288 | 1.95 | 2,824 | 1.97 | 7,607 | ^R 2.83 | ^b 2,171 | ^R 3.84 | 247,890 | 1.99 |
| March | 258,067 | 1.99 | 382 | 2.20 | 5,166 | ^R 3.12 | — | — | 263,615 | 2.01 |
| April | 242,191 | ^R 2.00 | ^R 3,251 | ^R 2.37 | 2,549 | ^R 2.20 | — | — | ^R 247,991 | ^R 2.01 |
| May | 242,041 | ^R 1.98 | ^R 846 | ^R 2.15 | 7,596 | ^R 2.52 | — | — | ^R 250,483 | ^R 2.00 |
| June | ^R 243,259 | ^R 1.92 | ^R 5 | ^R 2.21 | 5,125 | ^R 2.39 | ^b 2,441 | ^R 2.79 | ^R 250,830 | ^R 1.94 |
| July | ^R 256,506 | NA | ^E 1,000 | NA | 5,086 | NA | — | — | ^{RE} 262,593 | NA |
| August | ^E 264,195 | NA | ^E 1,000 | NA | 2,540 | NA | ^b 2,321 | NA | ^E 270,057 | NA |
| 1998 YTD | ^E 2,014,736 | NA | ^E 9,364 | NA | 45,776 | NA | 6,933 | NA | ^E 2,076,808 | NA |
| 1997 YTD | 1,910,200 | 2.07 | 12,563 | 2.22 | 40,487 | 2.62 | 4,873 | 3.18 | 1,968,122 | 2.09 |
| 1996 YTD | 1,898,302 | 1.85 | 10,904 | 2.22 | 20,014 | 2.72 | 0 | — | 1,929,220 | 1.86 |

^a Received from the United Arab Emirates.^b Received from Australia.^R = Revised Data.^E = Estimated Data.^{RE} = Revised Estimated Data.

NA = Not Available.

— = Not Applicable.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1992-1998

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

| Year and Month | Pipeline | | | | LNG | | Total | |
|-------------------------|---------------------|-------------------|---------------------|-------------------|--------|-------------------|----------------------|-------------------|
| | Canada | | Mexico | | Japan | | Volume | Average Price |
| | Volume | Average Price | Volume | Average Price | Volume | Average Price | | |
| 1992 Total | 67,777 | 1.83 | 95,973 | 1.90 | 52,532 | 3.43 | 216,282 | 2.25 |
| 1993 Total | 44,518 | 2.14 | 39,676 | 2.02 | 55,989 | 3.34 | 140,183 | 2.59 |
| 1994 Total | 52,556 | 2.42 | 46,500 | 1.68 | 62,682 | 3.18 | 161,738 | 2.50 |
| 1995 Total | 27,554 | 1.96 | 61,283 | 1.50 | 65,283 | 3.41 | 154,119 | 2.39 |
| 1996 | | | | | | | | |
| January | 7,044 | 3.13 | 1,607 | 1.98 | 5,534 | 3.38 | 14,186 | 3.10 |
| February | 5,207 | 2.71 | 2,000 | 1.82 | 5,621 | 3.35 | 12,828 | 2.85 |
| March | 6,616 | 2.79 | 2,860 | 1.81 | 5,642 | 3.55 | 15,118 | 2.88 |
| April | 2,430 | 2.21 | 1,924 | 1.69 | 5,654 | 3.57 | 10,008 | 2.88 |
| May | 2,809 | 2.15 | 1,899 | 1.84 | 3,750 | 3.61 | 8,458 | 2.73 |
| June | 3,001 | 2.25 | 3,486 | 2.16 | 5,651 | 3.65 | 12,138 | 2.87 |
| July | 3,777 | 2.45 | 3,062 | 2.24 | 7,546 | 3.66 | 14,385 | 3.04 |
| August | 2,197 | 2.30 | 9,176 | 2.11 | 5,663 | 3.67 | 17,036 | 2.65 |
| September | 2,514 | 1.94 | 2,389 | 1.73 | 5,663 | 3.73 | 10,566 | 2.85 |
| October | 4,311 | 1.97 | 1,990 | 1.85 | 5,589 | 3.84 | 11,889 | 2.83 |
| November | 6,776 | 2.77 | 1,533 | 2.56 | 5,670 | 4.01 | 13,979 | 3.25 |
| December | 5,222 | 3.67 | 1,914 | 3.72 | 5,665 | 3.73 | 12,801 | 3.70 |
| Total | 51,905 | 2.67 | 33,840 | 2.11 | 67,648 | 3.65 | 153,393 | 2.97 |
| 1997 | | | | | | | | |
| January | 4,193 | 4.08 | 2,231 | 4.08 | 5,604 | 4.25 | 12,028 | 4.16 |
| February | 5,169 | 3.02 | 1,677 | 2.32 | 5,596 | 4.20 | 12,443 | 3.46 |
| March | 9,115 | 2.05 | 1,486 | 1.55 | 5,675 | 4.16 | 16,276 | 2.74 |
| April | 5,168 | 1.78 | 3,044 | 1.83 | 5,660 | 4.06 | 13,872 | 2.72 |
| May | 4,107 | 2.08 | 2,177 | 1.96 | 3,812 | 3.83 | 10,097 | 2.72 |
| June | 3,162 | 2.28 | 2,579 | 2.14 | 3,786 | 3.72 | 9,527 | 2.81 |
| July | 3,257 | 2.14 | 3,122 | 2.17 | 3,756 | 3.66 | 10,136 | 2.71 |
| August | 3,820 | 2.15 | 6,282 | 2.37 | 7,532 | 3.62 | 17,633 | 2.86 |
| September | 3,129 | 2.37 | 6,159 | 2.59 | 3,767 | 3.58 | 13,055 | 2.83 |
| October | 2,432 | 2.85 | 4,182 | 2.87 | 5,676 | 3.58 | 12,289 | 3.19 |
| November | 5,579 | 3.10 | 1,782 | 3.16 | 5,691 | 3.66 | 13,051 | 3.35 |
| December | 7,318 | 2.58 | 3,650 | 2.30 | 5,631 | 3.58 | 16,600 | 2.86 |
| Total | 56,447 | 2.52 | 38,372 | 2.46 | 62,187 | 3.83 | 157,006 | 3.02 |
| 1998 | | | | | | | | |
| January | 5,056 | 2.53 | 4,257 | 2.11 | 7,446 | 3.67 | 16,759 | 2.93 |
| February | 4,474 | 2.14 | 3,119 | 2.06 | 3,726 | 3.42 | 11,319 | 2.54 |
| March | 7,818 | 2.25 | 4,204 | 2.14 | 7,435 | ^R 3.09 | 19,457 | ^R 2.55 |
| April | ^R 4,409 | ^R 2.47 | ^R 2,676 | ^R 2.22 | 5,702 | ^R 2.81 | ^R 12,787 | ^R 2.57 |
| May | ^R 2,083 | ^R 2.28 | ^R 6,123 | ^R 2.12 | 1,891 | ^R 2.70 | ^R 10,097 | ^R 2.26 |
| June | ^R 3,404 | ^R 1.73 | ^R 5,618 | ^R 1.98 | 5,695 | ^R 3.09 | ^R 14,717 | ^R 2.35 |
| July | ^E 3,800 | NA | ^E 5,775 | NA | 5,681 | NA | ^E 15,256 | NA |
| August | ^E 3,800 | NA | ^E 6,000 | NA | 5,676 | NA | ^E 15,476 | NA |
| 1998 YTD | ^E 34,844 | NA | ^E 37,772 | NA | 43,252 | NA | ^E 115,868 | NA |
| 1997 YTD | 37,990 | 2.41 | 22,598 | 2.32 | 41,423 | 3.95 | 102,011 | 3.01 |
| 1996 YTD | 33,081 | 2.63 | 26,014 | 2.02 | 45,062 | 3.56 | 104,158 | 2.88 |

^R = Revised Data.

^E = Estimated Data.

NA = Not Available.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1992-1998
(Million Cubic Feet)

| Year and Month | Alabama ^b | Alaska | Arizona | California | Colorado | Florida | Kansas |
|-------------------------|----------------------|----------------------|---------|----------------------|----------------------|---------|----------------------|
| 1992 Total | 355,099 | 443,597 | 771 | 365,632 | 323,041 | 6,657 | 658,007 |
| 1993 Total | 388,024 | 430,350 | 597 | 315,851 | 400,985 | 7,085 | 686,347 |
| 1994 Total | 515,272 | 555,402 | 752 | 309,427 | 453,207 | 7,486 | 712,730 |
| 1995 Total | 519,661 | 469,550 | 558 | 279,555 | 523,084 | 6,463 | 721,436 |
| 1996 | | | | | | | |
| January | 45,653 | 44,655 | 41 | 20,714 | 48,619 | 518 | 62,976 |
| February | 42,668 | 40,433 | 42 | 22,910 | 45,504 | 493 | 62,683 |
| March | 45,334 | 43,738 | 45 | 24,686 | 47,843 | 460 | 63,027 |
| April | 43,868 | 39,694 | 36 | 23,988 | 45,293 | 456 | 60,858 |
| May | 45,160 | 36,348 | 39 | 24,091 | 46,893 | 483 | 62,194 |
| June | 43,319 | 37,334 | 45 | 23,281 | 45,212 | 503 | 56,318 |
| July | 43,257 | 37,272 | 30 | 24,495 | 45,570 | 500 | 57,095 |
| August | 43,873 | 37,239 | 43 | 24,547 | 51,269 | 540 | 55,144 |
| September | 42,834 | 38,039 | 31 | 23,826 | 45,437 | 537 | 55,563 |
| October | 42,200 | 41,204 | 34 | 24,261 | 50,245 | 468 | 57,589 |
| November | 45,395 | 40,706 | 37 | 24,493 | 49,824 | 517 | 58,460 |
| December | 47,278 | 44,166 | 40 | 25,203 | 50,363 | 531 | 60,890 |
| Total | 530,841 | 480,828 | 463 | 286,494 | 572,071 | 6,006 | 712,796 |
| 1997 | | | | | | | |
| January | 32,136 | 45,409 | 46 | 24,427 | 47,843 | 525 | 60,197 |
| February | 29,307 | 40,017 | 41 | 23,877 | 47,967 | 510 | 54,234 |
| March | 32,291 | 43,559 | 42 | 23,879 | 52,372 | 607 | 60,099 |
| April | 32,077 | 39,267 | 39 | 23,223 | 48,571 | 552 | 57,085 |
| May | 31,326 | 35,821 | 36 | 23,690 | 48,444 | 538 | 61,661 |
| June | 30,137 | 37,634 | 28 | 23,507 | 44,744 | 448 | 57,731 |
| July | 31,331 | 35,680 | 31 | 23,981 | 50,319 | 512 | 58,234 |
| August | 30,914 | 36,425 | 30 | 23,831 | 52,235 | 503 | 53,374 |
| September | 33,496 | 34,854 | 29 | 23,792 | 50,425 | 517 | 49,658 |
| October | 34,689 | 39,929 | 34 | 24,490 | 51,450 | 450 | 53,815 |
| November | 33,848 | 41,052 | 57 | 27,505 | 45,507 | 437 | 54,152 |
| December | 33,386 | 44,965 | 39 | 24,896 | 55,769 | 489 | 53,834 |
| Total | 384,937 | 474,612 | 451 | 291,098 | 595,647 | 6,087 | 674,075 |
| 1998 | | | | | | | |
| January | 32,739 | 43,715 | 43 | 24,810 | 53,025 | 479 | ^E 53,542 |
| February | 29,230 | 38,016 | 42 | 21,719 | 51,770 | 436 | ^E 50,752 |
| March | 33,505 | 41,026 | 53 | 22,869 | 56,834 | 466 | ^E 52,145 |
| April | 32,406 | ^E 36,111 | 43 | 21,952 | 55,760 | 480 | ^E 50,727 |
| May | 33,656 | ^E 31,784 | 38 | ^R 23,889 | 56,151 | 512 | ^E 53,006 |
| June | ^E 32,388 | ^E 33,250 | 34 | ^E 23,501 | ^E 52,545 | 428 | ^E 49,356 |
| 1998 YTD | ^E 193,924 | ^E 223,902 | 252 | ^E 138,740 | ^E 326,085 | 2,800 | ^E 309,527 |
| 1997 YTD | 187,274 | 241,707 | 232 | 142,603 | 289,942 | 3,180 | 351,008 |
| 1996 YTD | 266,004 | 242,202 | 248 | 139,669 | 279,364 | 2,912 | 368,055 |

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1992-1998
(Million Cubic Feet) — Continued

| Year and Month | Louisiana ^b | Michigan | Mississippi | Montana | New Mexico | North Dakota | Oklahoma |
|-------------------------|------------------------|----------------------|-------------|---------------------|------------------------|--------------|-----------|
| 1992 Total | 4,914,300 | 194,815 | 91,697 | 53,867 | 1,268,863 | 54,883 | 2,017,356 |
| 1993 Total | 4,991,138 | 204,635 | 80,695 | 54,528 | 1,409,429 | 59,851 | 2,049,942 |
| 1994 Total | 5,169,705 | 222,657 | 63,448 | 50,416 | 1,557,689 | 57,805 | 1,934,864 |
| 1995 Total | 5,108,366 | 238,203 | 95,533 | 50,264 | 1,625,837 | 49,468 | 1,811,734 |
| 1996 | | | | | | | |
| January | 437,274 | 21,912 | 8,089 | 4,503 | 135,594 | 4,276 | 143,693 |
| February | 412,611 | 18,686 | 7,386 | 4,266 | 126,370 | 3,880 | 139,115 |
| March | 446,371 | 11,208 | 8,385 | 4,443 | 138,091 | 4,164 | 131,701 |
| April | 436,014 | 32,072 | 8,225 | 4,098 | 132,572 | 4,122 | 147,949 |
| May | 451,148 | 18,021 | 9,026 | 4,244 | 138,946 | 4,273 | 149,425 |
| June | 434,668 | 23,572 | 8,983 | 3,496 | 131,778 | 3,990 | 143,675 |
| July | 449,052 | 27,119 | 9,335 | 3,603 | 125,193 | 4,047 | 146,451 |
| August | 449,461 | 23,261 | 9,193 | 4,050 | 126,967 | 4,096 | 148,463 |
| September | 431,768 | 20,208 | 8,641 | 4,172 | 122,040 | 4,185 | 143,302 |
| October | 421,252 | 20,374 | 8,996 | 4,668 | 123,570 | 4,246 | 150,322 |
| November | 427,566 | 16,081 | 8,487 | 4,521 | 124,377 | 4,216 | 146,828 |
| December | 443,563 | 13,227 | 8,518 | 4,933 | 128,590 | 4,178 | 143,965 |
| Total | 5,240,747 | 245,740 | 103,263 | 50,996 | 1,554,087 | 49,674 | 1,734,887 |
| 1997 | | | | | | | |
| January | 466,044 | 35,849 | 8,089 | 4,638 | 125,382 | 4,035 | 144,608 |
| February | 425,451 | 17,314 | 7,807 | 4,380 | 125,445 | 3,921 | 134,742 |
| March | ^E 470,994 | 25,435 | 8,470 | 4,608 | 124,026 | 4,313 | 146,588 |
| April | ^E 458,943 | 13,281 | 8,120 | 4,320 | 123,657 | 4,176 | 136,080 |
| May | ^E 469,736 | 40,848 | 8,611 | 4,166 | 122,869 | 4,542 | 141,818 |
| June | 461,455 | 19,934 | 8,893 | 3,792 | 123,509 | 4,341 | 137,044 |
| July | ^E 468,677 | 41,068 | 8,636 | 4,080 | 123,507 | 4,420 | 143,141 |
| August | ^E 469,613 | 19,081 | 9,626 | 4,172 | 123,966 | 4,454 | 146,381 |
| September | 461,975 | ^E 19,546 | 9,162 | ^E 4,348 | 124,586 | 4,276 | 141,645 |
| October | 458,564 | 20,966 | 10,084 | ^E 4,959 | 124,710 | 4,507 | 148,583 |
| November | 457,192 | 26,661 | 9,683 | ^E 4,994 | ^E 125,632 | 4,434 | 146,638 |
| December | 460,418 | 30,610 | 9,955 | ^E 5,260 | ^E 129,777 | 4,634 | 145,859 |
| Total | ^E 5,529,062 | ^E 310,591 | 107,137 | ^E 53,718 | ^E 1,497,069 | 52,053 | 1,713,127 |
| 1998 | | | | | | | |
| January | 463,097 | 28,439 | 9,639 | ^E 5,173 | 142,312 | 4,623 | 145,522 |
| February | 422,324 | 28,259 | 8,574 | ^E 4,754 | 142,383 | 4,020 | 134,651 |
| March | 468,307 | 30,719 | 9,781 | ^E 5,056 | 141,671 | 4,337 | 142,541 |
| April | 449,961 | 17,983 | 8,957 | ^E 4,703 | 140,963 | 4,284 | 134,885 |
| May | 461,826 | ^R 29,164 | 9,121 | ^E 4,627 | 140,258 | 4,488 | 142,725 |
| June | 454,466 | ^E 25,851 | 8,586 | ^E 3,903 | ^E 135,464 | 4,210 | 137,906 |
| 1998 YTD | 2,719,981 | ^E 160,415 | 54,659 | ^E 28,215 | ^E 843,050 | 25,961 | 838,230 |
| 1997 YTD | ^E 2,752,623 | 152,660 | 49,990 | 25,905 | 744,889 | 25,328 | 840,880 |
| 1996 YTD | 2,618,085 | 125,471 | 50,094 | 25,049 | 803,351 | 24,705 | 855,557 |

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1992-1998
(Million Cubic Feet) — Continued

| Year and Month | Oregon | Texas ^c | Utah | Wyoming | Other ^a States | U.S. Total |
|-------------------------|--------|--------------------|----------------------|----------------------|------------------------------|-------------------------|
| 1992 Total | 2,580 | 6,145,862 | 171,293 | 842,576 | 800,913 | 18,711,808 |
| 1993 Total | 4,003 | 6,249,624 | 225,401 | 634,957 | 788,472 | 18,981,915 |
| 1994 Total | 3,221 | 6,353,844 | 270,858 | 696,018 | 774,724 | 19,709,525 |
| 1995 Total | 1,923 | 6,330,048 | 241,290 | 673,775 | 759,728 | 19,506,474 |
| 1996 | | | | | | |
| January | 120 | 545,658 | 19,998 | 58,691 | 69,638 | 1,672,623 |
| February | 75 | 512,557 | 18,027 | 56,037 | 66,726 | 1,580,472 |
| March | 105 | 552,700 | 21,650 | 57,270 | 72,373 | 1,673,596 |
| April | 121 | 529,015 | 20,864 | 54,662 | 65,643 | 1,649,552 |
| May | 140 | 547,843 | 21,035 | 52,805 | 67,061 | 1,679,176 |
| June | 132 | 533,168 | 20,759 | 59,346 | 64,752 | 1,634,329 |
| July | 146 | 557,986 | 20,573 | 55,519 | 64,500 | 1,671,743 |
| August | 117 | 550,499 | 21,137 | 54,567 | 66,523 | 1,670,989 |
| September | 132 | 529,524 | 21,589 | 51,949 | 65,361 | 1,609,140 |
| October | 133 | 543,264 | 22,152 | 53,649 | 69,163 | 1,637,792 |
| November | 113 | 517,147 | 21,606 | 53,990 | 70,997 | 1,615,362 |
| December | 102 | 529,659 | 21,376 | 57,551 | 71,875 | 1,656,019 |
| Total | 1,439 | 6,449,022 | 250,767 | 666,036 | 814,612 | 19,750,793 |
| 1997 | | | | | | |
| January | 105 | 560,683 | 21,782 | 53,272 | ^E 69,157 | ^E 1,704,228 |
| February | 98 | 509,089 | 19,115 | 45,143 | ^E 64,219 | ^E 1,552,675 |
| March | 101 | 560,042 | 21,912 | 62,872 | ^E 68,518 | ^E 1,710,728 |
| April | 102 | 531,761 | 19,570 | 60,661 | ^E 64,329 | ^E 1,625,816 |
| May | 102 | 549,243 | 22,053 | 62,147 | ^E 64,899 | ^E 1,692,549 |
| June | 97 | 527,306 | 19,815 | 55,384 | ^E 64,227 | ^E 1,620,026 |
| July | 98 | 533,930 | 21,711 | 60,873 | ^E 64,033 | ^E 1,674,262 |
| August | 99 | 539,321 | 21,024 | ^E 62,134 | ^E 65,381 | ^E 1,662,565 |
| September | 86 | 520,843 | 22,007 | 60,378 | ^E 63,629 | ^E 1,625,253 |
| October | 97 | 535,219 | 23,006 | 66,373 | ^E 67,561 | ^E 1,669,486 |
| November | 91 | 521,531 | 22,840 | 63,949 | ^E 67,586 | ^E 1,653,789 |
| December | 96 | 542,516 | 22,307 | ^E 66,746 | ^E 72,224 | ^E 1,703,778 |
| Total | 1,173 | 6,431,484 | 257,139 | ^E 719,932 | ^E 795,764 | ^E 19,895,156 |
| 1998 | | | | | | |
| January | 90 | 542,462 | 21,826 | 66,074 | ^E 70,408 | ^E 1,708,016 |
| February | 79 | 491,530 | 21,758 | 53,970 | ^E 65,555 | ^E 1,569,822 |
| March | 96 | 541,311 | 23,656 | 65,704 | ^E 70,223 | ^E 1,710,299 |
| April | 92 | 525,602 | 23,513 | 61,974 | ^E 65,681 | ^E 1,636,078 |
| May | 92 | 550,442 | ^R 24,967 | 54,304 | ^E 66,263 | ^{RE} 1,687,314 |
| June | 90 | 527,613 | ^E 20,751 | 63,574 | ^E 65,206 | ^E 1,639,119 |
| 1998 YTD | 539 | 3,178,960 | ^E 136,471 | 365,601 | ^E 403,336 | ^E 9,950,649 |
| 1997 YTD | 606 | 3,238,124 | 124,245 | 339,478 | ^E 395,349 | ^E 9,906,023 |
| 1996 YTD | 695 | 3,220,942 | 122,333 | 338,811 | 406,192 | 9,889,748 |

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1997 monthly values for these States are estimated.

^b All data for 1991 through 1996 include Federal Offshore production. For 1997 and 1998, data for Alabama exclude Federal Offshore production and data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore production.

^c Federal offshore production volumes are included.

^R = Revised Data.

^E = Estimated Data.

^{RE} = Revised Estimated Data.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1991-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*. 1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State,
June 1998**
(Million Cubic Feet)

| State | Gross Withdrawals | | | Repressuring | Nonhydro- carbon Gases Removed ^a | Vented and Flared | Marketed Production |
|--------------------|-------------------|-------------------|-------------------|-----------------|--|-------------------------|------------------------|
| | From Gas Wells | From Oil Wells | Total | | | | |
| Alabama | £35,008 | £702 | £35,710 | £1,140 | £2,055 | £127 | £32,388 |
| Alaska | £13,302 | £223,017 | £236,319 | £202,599 | 0 | £471 | £33,250 |
| Arizona | 32 | 2 | 34 | 0 | 0 | 0 | 34 |
| California | £6,691 | £26,797 | £33,488 | £9,754 | £157 | £76 | £23,501 |
| Colorado | £45,734 | £7,592 | £53,326 | £691 | 0 | £90 | £52,545 |
| Florida | 0 | 483 | 483 | 0 | 55 | 0 | 428 |
| Kansas | £45,531 | £3,959 | £49,490 | £84 | 0 | £49 | £49,356 |
| Louisiana | 399,927 | 60,121 | 460,048 | 3,608 | 0 | 1,974 | 454,466 |
| Michigan | £21,039 | £5,260 | £26,299 | £185 | 0 | £263 | £25,851 |
| Mississippi | 9,471 | 709 | 10,180 | 662 | 713 | 220 | 8,586 |
| Montana | £3,466 | £471 | £3,937 | £5 | 0 | £29 | £3,903 |
| New Mexico | £127,868 | £22,165 | £150,034 | £913 | £13,413 | £243 | £135,464 |
| North Dakota | 1,455 | 3,297 | 4,752 | 0 | 5 | 537 | 4,210 |
| Oklahoma | 125,504 | 12,402 | 137,906 | 0 | 0 | 0 | 137,906 |
| Oregon | 107 | 0 | 107 | 4 | 13 | 0 | 90 |
| Texas | 467,814 | 113,197 | 581,011 | 37,600 | 13,354 | 2,445 | 527,613 |
| Utah | £18,286 | £3,251 | £21,537 | £42 | 0 | £743 | £20,751 |
| Wyoming | 97,863 | 5,285 | 103,148 | 12,497 | 13,530 | 13,547 | 63,574 |
| Other States | £61,663 | £4,332 | £65,996 | £188 | 0 | £602 | £65,206 |
| Total | £1,480,759 | £493,044 | £1,973,804 | £269,973 | £43,294 | £21,417 | £1,639,119 |

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

£ = Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1992-1998
(Volumes in Billion Cubic Feet)

| Year and Month | Natural Gas in Underground Storage at End of Period | | | Change In Working Gas from Same Period Previous Year | | Storage Activity | | |
|-------------------------------------|---|---------------------|---------------------|--|-------------------|------------------|-------------|------------------------------|
| | Base Gas | Working Gas | Total ^b | Volume | Percent | Injections | Withdrawals | Net Withdrawals ^c |
| 1992 Total^a | 4,044 | 2,597 | 6,641 | -227 | -8.0 | 2,555 | 2,724 | 168 |
| 1993 Total^a | 4,327 | 2,322 | 6,649 | -275 | -10.6 | 2,760 | 2,717 | -43 |
| 1994 Total^a | 4,360 | 2,606 | 6,966 | 284 | 12.2 | 2,796 | 2,508 | -288 |
| 1995 Total^a | 4,349 | 2,153 | 6,503 | -453 | 3.1 | 2,566 | 2,974 | 408 |
| 1996 | | | | | | | | |
| January | 4,354 | 1,462 | 5,817 | -583 | -28.5 | 49 | 749 | 700 |
| February | 4,349 | 1,021 | 5,369 | -521 | -33.8 | 97 | 544 | 447 |
| March | 4,290 | 758 | 5,048 | -574 | -43.1 | 80 | 403 | 323 |
| April | 4,312 | 854 | 5,166 | -525 | -38.1 | 227 | 112 | -115 |
| May | 4,332 | 1,161 | 5,493 | -507 | -30.4 | 373 | 45 | -328 |
| June | 4,341 | 1,529 | 5,870 | -485 | -24.1 | 410 | 35 | -375 |
| July | 4,336 | 1,898 | 6,234 | -404 | -17.5 | 418 | 49 | -370 |
| August | 4,332 | 2,245 | 6,577 | -250 | -10.0 | 400 | 54 | -346 |
| September | 4,338 | 2,605 | 6,943 | -197 | -7.0 | 398 | 32 | -366 |
| October | 4,335 | 2,810 | 7,145 | -186 | -6.2 | 276 | 73 | -203 |
| November | 4,339 | 2,549 | 6,889 | -179 | -6.6 | 90 | 354 | 264 |
| December | 4,341 | 2,173 | 6,513 | 19 | 0.9 | 86 | 461 | 374 |
| Total | — | — | — | — | — | 2,906 | 2,911 | 6 |
| 1997 | | | | | | | | |
| January | 4,348 | 1,496 | 5,844 | 34 | 2.3 | 69 | 752 | 684 |
| February | 4,342 | 1,140 | 5,482 | 120 | 11.7 | 55 | 413 | 358 |
| March | 4,346 | 991 | 5,337 | 233 | 30.7 | 131 | 285 | 155 |
| April | 4,342 | 1,051 | 5,393 | 197 | 23.1 | 205 | 146 | -58 |
| May | 4,343 | 1,362 | 5,705 | 201 | 17.3 | 362 | 41 | -321 |
| June | 4,357 | 1,730 | 6,087 | 201 | 13.2 | 405 | 41 | -364 |
| July | 4,356 | 2,014 | 6,369 | 116 | 6.1 | 359 | 78 | -281 |
| August | 4,357 | 2,336 | 6,693 | 92 | 4.1 | 378 | 56 | -322 |
| September | 4,360 | 2,672 | 7,032 | 67 | 2.6 | 380 | 44 | -336 |
| October | 4,358 | 2,886 | 7,244 | 75 | 2.7 | 295 | 84 | -211 |
| November | 4,360 | 2,698 | 7,058 | 149 | 5.9 | 113 | 302 | 189 |
| December | 4,350 | 2,170 | 6,520 | -2 | -0.1 | 45 | 579 | 533 |
| Total | — | — | — | — | — | 2,796 | 2,823 | 27 |
| 1998 | | | | | | | | |
| January | 4,344 | 1,711 | 6,055 | 215 | 14.4 | 68 | 534 | 466 |
| February | 4,338 | 1,418 | 5,756 | 278 | 24.4 | 74 | 373 | 299 |
| March | 4,339 | 1,184 | 5,523 | 193 | 19.5 | 136 | 377 | 241 |
| April | 4,336 | 1,381 | 5,718 | 330 | 31.4 | 277 | 78 | -198 |
| May | 4,338 | 1,773 | 6,111 | 412 | 30.2 | 435 | 42 | -393 |
| June | 4,343 | 2,101 | 6,444 | 371 | 21.4 | 375 | 52 | -323 |
| July | 4,337 | 2,416 | 6,753 | 402 | 20.0 | 366 | 52 | -314 |
| August | 4,333 | 2,695 | 7,028 | 358 | 15.3 | 341 | 58 | -283 |
| September(STIFS) | ^{RE} 4,333 | ^{RE} 2,910 | ^{RE} 7,243 | ^{RE} 237 | ^{RE} 8.9 | NA | NA | ^{RE} -215 |
| October(STIFS) | ^E 4,333 | ^E 3,121 | ^E 7,454 | ^E 235 | ^E 8.2 | NA | NA | ^E -211 |

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 7,993; 1992 - 7,932; 1993 - 7,989; 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; and 1997 - 8128.

^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^E = Estimated Data.

^{RE} = Revised Estimated Data.

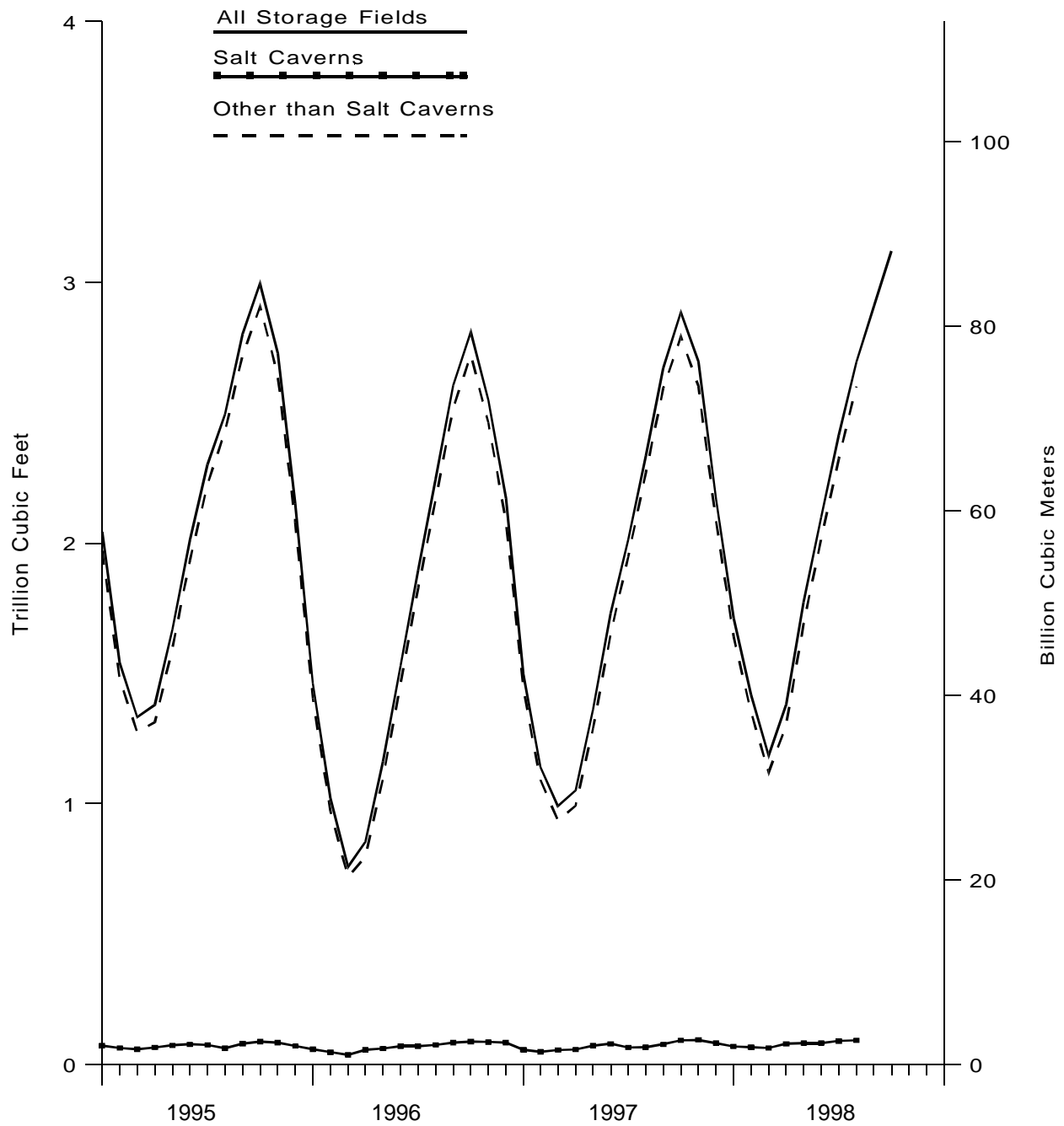
NA = Not Available.

— = Not Applicable.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5. Working Gas in Underground Natural Gas Storage in the United States, 1995-1998



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1995-1998
(Volumes in Billion Cubic Feet)

| Year, Season and Month | Natural Gas in Underground Storage at End of Period | | | Change In Working Gas from Same Period Previous Year | | Storage Activity | | |
|-------------------------------|---|---------------------|---------------------|--|-------------------|------------------|-------------|---------------------------------|
| | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | Net Withdrawals ^a |
| October 1995 | 4,338 | 2,996 | 7,334 | -- | -- | -- | -- | -- |
| 1995-96 Heating Season | | | | | | | | |
| November | 4,342 | 2,728 | 7,070 | -249 | -8.4 | 96 | 367 | 272 |
| December | 4,349 | 2,153 | 6,503 | -453 | -17.4 | 53 | 635 | 582 |
| January | 4,354 | 1,462 | 5,817 | -583 | -28.5 | 49 | 749 | 700 |
| February | 4,349 | 1,021 | 5,369 | -521 | -33.8 | 97 | 544 | 447 |
| March | 4,290 | 758 | 5,048 | -574 | -43.1 | 80 | 403 | 323 |
| Total | -- | -- | -- | -- | -- | 353 | 2,182 | 1,829 |
| 1996 Refill Season | | | | | | | | |
| April | 4,312 | 854 | 5,166 | -525 | -38.1 | 227 | 112 | -115 |
| May | 4,332 | 1,161 | 5,493 | -507 | -30.4 | 373 | 45 | -328 |
| June | 4,341 | 1,529 | 5,870 | -485 | -24.1 | 410 | 35 | -375 |
| July | 4,336 | 1,898 | 6,234 | -404 | -17.5 | 418 | 49 | -370 |
| August | 4,332 | 2,245 | 6,577 | -250 | -10.0 | 400 | 54 | -346 |
| September | 4,338 | 2,605 | 6,943 | -197 | -7.0 | 398 | 32 | -366 |
| October | 4,335 | 2,810 | 7,145 | -186 | -6.2 | 276 | 73 | -203 |
| Total | -- | -- | -- | -- | -- | 2,502 | 401 | -2,102 |
| 1996-97 Heating Season | | | | | | | | |
| November | 4,339 | 2,549 | 6,889 | -179 | -6.6 | 90 | 354 | 264 |
| December | 4,341 | 2,173 | 6,513 | 19 | 0.9 | 86 | 461 | 374 |
| January | 4,348 | 1,496 | 5,844 | 34 | 2.3 | 69 | 752 | 684 |
| February | 4,342 | 1,140 | 5,482 | 120 | 11.7 | 55 | 413 | 358 |
| March | 4,346 | 991 | 5,337 | 233 | 30.7 | 131 | 285 | 155 |
| Total | -- | -- | -- | -- | -- | 375 | 2,698 | 2,323 |
| 1997 Refill Season | | | | | | | | |
| April | 4,342 | 1,051 | 5,393 | 197 | 23.1 | 205 | 146 | -58 |
| May | 4,343 | 1,362 | 5,705 | 201 | 17.3 | 362 | 41 | -321 |
| June | 4,357 | 1,730 | 6,087 | 201 | 13.2 | 405 | 41 | -364 |
| July | 4,356 | 2,014 | 6,369 | 116 | 6.1 | 359 | 78 | -281 |
| August | 4,357 | 2,336 | 6,693 | 92 | 4.1 | 378 | 56 | -322 |
| September | 4,360 | 2,672 | 7,032 | 67 | 2.6 | 380 | 44 | -336 |
| October | 4,358 | 2,886 | 7,244 | 75 | 2.7 | 295 | 84 | -211 |
| Total | -- | -- | -- | -- | -- | 2,384 | 491 | -1,893 |
| 1997-98 Heating Season | | | | | | | | |
| November | 4,360 | 2,698 | 7,058 | 149 | 5.9 | 113 | 302 | 189 |
| December | 4,350 | 2,170 | 6,520 | -2 | -0.1 | 45 | 579 | 533 |
| January | 4,344 | 1,711 | 6,055 | 215 | 14.4 | 68 | 534 | 466 |
| February | 4,338 | 1,418 | 5,756 | 278 | 24.4 | 74 | 373 | 299 |
| March | 4,339 | 1,184 | 5,523 | 193 | 19.5 | 136 | 377 | 241 |
| Total | -- | -- | -- | -- | -- | 431 | 2,266 | 1,835 |
| 1998 Refill Season | | | | | | | | |
| April | 4,336 | 1,381 | 5,718 | 330 | 31.4 | 277 | 78 | -198 |
| May | 4,338 | 1,773 | 6,111 | 412 | 30.2 | 435 | 42 | -393 |
| June | 4,343 | 2,101 | 6,444 | 371 | 21.4 | 375 | 52 | -323 |
| July | 4,337 | 2,416 | 6,753 | 402 | 20.0 | 366 | 52 | -314 |
| August | 4,333 | 2,695 | 7,028 | 358 | 15.3 | 341 | 58 | -283 |
| September(STIFS) | ^{RE} 4,333 | ^{RE} 2,910 | ^{RE} 7,243 | ^{RE} 237 | ^{RE} 8.9 | NA | NA | ^{RE} 215 |
| October(STIFS) | ^E 4,333 | ^E 3,121 | ^E 7,454 | ^E 235 | ^E 8.2 | NA | NA | ^E 211 |

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^E = Estimated Data.

^{RE} = Revised Estimated Data.

NA = Not Available.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-1998
(Volumes in Billion Cubic Feet)

| Year and Month | Natural Gas in Salt Cavern Underground Storage at End of Period | | | Change in Working Gas from Same Period Previous Year | | Storage Activity | | |
|--------------------|---|-------------|-------|--|---------|------------------|-------------|-----------------|
| | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | Net Withdrawals |
| 1996 | | | | | | | | |
| January | 63 | 59 | 122 | -14 | -19.3 | 23 | 41 | 17 |
| February | 63 | 48 | 111 | -17 | -26.2 | 23 | 33 | 10 |
| March | 63 | 38 | 101 | -21 | -35.2 | 21 | 32 | 11 |
| April | 63 | 57 | 120 | -9 | -13.7 | 30 | 10 | -20 |
| May | 63 | 62 | 126 | -11 | -15.1 | 19 | 13 | -6 |
| June | 63 | 71 | 135 | -7 | -8.9 | 21 | 12 | -9 |
| July | 60 | 71 | 131 | -5 | -6.7 | 20 | 14 | -6 |
| August | 60 | 76 | 136 | 13 | 20.5 | 21 | 16 | -5 |
| September | 60 | 85 | 145 | 4 | 5.0 | 23 | 13 | -9 |
| October | 60 | 88 | 148 | 0 | 0.4 | 17 | 14 | -3 |
| November | 64 | 87 | 151 | 3 | 4.0 | 16 | 20 | 5 |
| December | 64 | 85 | 149 | 14 | 18.8 | 25 | 28 | 2 |
| Total | — | — | — | — | — | 258 | 246 | -13 |
| 1997 | | | | | | | | |
| January | 65 | 57 | 122 | -2 | -3.1 | 21 | 50 | 30 |
| February | 59 | 49 | 109 | 2 | 4.0 | 15 | 23 | 8 |
| March | 65 | 56 | 121 | 18 | 47.3 | 22 | 16 | -6 |
| April | 65 | 58 | 123 | 1 | 1.8 | 21 | 19 | -3 |
| May | 65 | 73 | 138 | 11 | 17.3 | 27 | 13 | -14 |
| June | 66 | 80 | 145 | 8 | 11.7 | 22 | 15 | -7 |
| July | 65 | 66 | 131 | -5 | -7.5 | 15 | 29 | 14 |
| August | 65 | 67 | 132 | -9 | -12.4 | 23 | 22 | -1 |
| September | 65 | 78 | 143 | -7 | -8.7 | 26 | 14 | -12 |
| October | 66 | 93 | 159 | 5 | 5.6 | 30 | 14 | -16 |
| November | 67 | 95 | 162 | 8 | 9.1 | 25 | 23 | -2 |
| December | 67 | 82 | 150 | -3 | -3.1 | 18 | 31 | 12 |
| Total | — | — | — | — | — | 266 | 270 | 4 |
| 1998 | | | | | | | | |
| January | 66 | 70 | 136 | 13 | 22.4 | 17 | 31 | 14 |
| February | 65 | 67 | 132 | 18 | 35.9 | 17 | 21 | 3 |
| March | 68 | 64 | 132 | 8 | 14.4 | 23 | 28 | 6 |
| April | 68 | 80 | 148 | 22 | 37.9 | 29 | 11 | -17 |
| May | 68 | 83 | 150 | 9 | 12.9 | 26 | 22 | -3 |
| June | 66 | 83 | 149 | 3 | 4.0 | 21 | 23 | 2 |
| July | 66 | 91 | 157 | 26 | 39.2 | 26 | 18 | -8 |
| August | 65 | 93 | 158 | 26 | 39.5 | 24 | 21 | -2 |

— = Not Applicable.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1996-1998
(Volumes in Billion Cubic Feet)

| Year and Month | Natural Gas in Non-Salt Cavern Underground Storage at End of Period | | | Change in Working Gas from Same Period Previous Year | | Storage Activity | | |
|--------------------|---|-------------|-------|--|---------|------------------|-------------|-----------------|
| | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | Net Withdrawals |
| 1996 | | | | | | | | |
| January | 4,291 | 1,404 | 5,695 | -569 | -28.8 | 26 | 708 | 682 |
| February | 4,286 | 973 | 5,259 | -504 | -34.1 | 73 | 510 | 437 |
| March | 4,228 | 720 | 4,948 | -553 | -43.4 | 59 | 371 | 312 |
| April | 4,249 | 797 | 5,046 | -516 | -39.3 | 197 | 102 | -95 |
| May | 4,268 | 1,099 | 5,367 | -496 | -31.1 | 354 | 32 | -322 |
| June | 4,277 | 1,458 | 5,735 | -478 | -24.7 | 390 | 23 | -366 |
| July | 4,276 | 1,827 | 6,103 | -399 | -17.9 | 398 | 34 | -363 |
| August | 4,272 | 2,169 | 6,441 | -263 | -10.8 | 380 | 39 | -341 |
| September | 4,277 | 2,520 | 6,797 | -201 | -7.4 | 376 | 19 | -357 |
| October | 4,275 | 2,722 | 6,997 | -186 | -6.4 | 259 | 59 | -200 |
| November | 4,275 | 2,462 | 6,737 | -183 | -6.9 | 75 | 333 | 259 |
| December | 4,277 | 2,087 | 6,364 | 6 | 0.3 | 61 | 433 | 372 |
| Total | — | — | — | — | — | 2,647 | 2,665 | 18 |
| 1997 | | | | | | | | |
| January | 4,283 | 1,439 | 5,722 | 36 | 2.5 | 48 | 702 | 654 |
| February | 4,283 | 1,091 | 5,374 | 118 | 12.1 | 40 | 390 | 350 |
| March | 4,281 | 935 | 5,216 | 215 | 29.9 | 109 | 270 | 161 |
| April | 4,277 | 993 | 5,270 | 196 | 24.6 | 184 | 128 | -56 |
| May | 4,278 | 1,289 | 5,567 | 190 | 17.3 | 335 | 28 | -307 |
| June | 4,291 | 1,651 | 5,942 | 193 | 13.2 | 383 | 26 | -357 |
| July | 4,290 | 1,948 | 6,238 | 121 | 6.6 | 344 | 49 | -295 |
| August | 4,291 | 2,270 | 6,561 | 101 | 4.7 | 355 | 34 | -321 |
| September | 4,295 | 2,595 | 6,890 | 75 | 3.0 | 354 | 30 | -324 |
| October | 4,292 | 2,793 | 7,085 | 70 | 2.6 | 265 | 70 | -195 |
| November | 4,293 | 2,603 | 6,897 | 141 | 5.7 | 88 | 279 | 191 |
| December | 4,283 | 2,088 | 6,371 | 0 | 0.0 | 27 | 548 | 521 |
| Total | — | — | — | — | — | 2,530 | 2,553 | 23 |
| 1998 | | | | | | | | |
| January | 4,278 | 1,641 | 5,920 | 202 | 14.0 | 51 | 504 | 453 |
| February | 4,273 | 1,351 | 5,624 | 260 | 23.9 | 56 | 352 | 296 |
| March | 4,271 | 1,120 | 5,391 | 185 | 19.8 | 113 | 349 | 236 |
| April | 4,269 | 1,301 | 5,570 | 308 | 31.0 | 248 | 67 | -181 |
| May | 4,270 | 1,691 | 5,961 | 402 | 31.2 | 409 | 20 | -390 |
| June | 4,277 | 2,018 | 6,295 | 367 | 22.3 | 354 | 29 | -325 |
| July | 4,271 | 2,324 | 6,596 | 376 | 19.3 | 340 | 34 | -306 |
| August | 4,268 | 2,602 | 6,870 | 332 | 14.6 | 317 | 37 | -281 |

— = Not Applicable.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998
(Volumes in Million Cubic Feet)

| State | 1998 | | | | | |
|-------------------------|----------|----------|----------|----------|----------|---------|
| | August | July | June | May | April | March |
| Alabama | -200 | 9 | -623 | -144 | -245 | 248 |
| Arkansas | -1,005 | -1,034 | -1,100 | -1,046 | -471 | 1,039 |
| California | -7,283 | -9,435 | -27,493 | -29,210 | -10,710 | -2,257 |
| Colorado | -5,877 | -4,060 | -3,907 | -6,040 | 3,534 | 3,928 |
| Illinois | -31,634 | -25,062 | -31,348 | -25,967 | -293 | 28,186 |
| Indiana | -3,695 | -2,476 | -575 | -446 | 917 | 4,249 |
| Iowa | -12,102 | -11,525 | -8,405 | -3,600 | 348 | 6,692 |
| Kansas | -12,200 | -13,108 | -6,267 | -19,324 | -6,954 | 14,438 |
| Kentucky | -4,533 | -10,622 | -8,137 | -11,793 | -2,480 | 7,768 |
| Louisiana | -20,159 | -25,597 | -14,635 | -22,794 | -21,191 | 7,400 |
| Maryland | -1,407 | -2,924 | -1,251 | -808 | -1,127 | 1,631 |
| Michigan | -52,128 | -60,857 | -69,589 | -69,296 | -31,779 | 55,388 |
| Minnesota | -214 | -289 | -169 | 0 | 159 | 416 |
| Mississippi | -4,139 | -5,961 | -2,887 | -3,438 | -2,757 | 2,405 |
| Missouri | -203 | 8 | 143 | -460 | 48 | 423 |
| Montana | -4,524 | -2,295 | -2,024 | -2,571 | 224 | 3,017 |
| Nebraska | -616 | -796 | -528 | -860 | 754 | 1,090 |
| New Mexico | -208 | -191 | -180 | -1,120 | 287 | 658 |
| New York | -5,247 | -8,108 | -8,786 | -11,267 | -3,673 | 7,977 |
| Ohio | -27,246 | -31,220 | -25,882 | -35,968 | -14,906 | 28,619 |
| Oklahoma | -7,189 | -7,554 | -12,460 | -23,277 | -21,343 | 7,159 |
| Oregon | -819 | -852 | -1,411 | 0 | 81 | 934 |
| Pennsylvania | -19,657 | -31,998 | -34,236 | -57,800 | -32,842 | 38,957 |
| Texas | -18,629 | -18,872 | -20,145 | -27,286 | -40,395 | -9,062 |
| Utah | -7,385 | -7,265 | -8,225 | -7,364 | -596 | 1,199 |
| Washington | -3,640 | -312 | -2,963 | -3,932 | 1,544 | 3,329 |
| West Virginia | -29,075 | -28,560 | -26,404 | -26,003 | -14,607 | 22,818 |
| Wyoming | -2,008 | -2,807 | -3,406 | -1,344 | 89 | 2,611 |
| AGA Regions | | | | | | |
| Producing | -63,530 | -72,318 | -57,675 | -98,285 | -92,824 | 24,038 |
| Eastern Consuming | -187,744 | -214,131 | -215,621 | -244,412 | -99,884 | 204,045 |
| Western Consuming | -31,751 | -27,316 | -49,599 | -50,461 | -5,674 | 13,177 |
| Total | -283,025 | -313,764 | -322,895 | -393,158 | -198,382 | 241,260 |

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998

(Volumes in Million Cubic Feet) — Continued

| State | 1998 | | 1997 | | | | |
|-------------------------|----------|---------|---------|----------|----------|----------|-----------|
| | February | January | Total | December | November | October | September |
| Alabama | 187 | 396 | -162 | 243 | 243 | -251 | -262 |
| Arkansas | 875 | 1,057 | 251 | 1,526 | 651 | 271 | -1,048 |
| California | 26,766 | 29,805 | 14,425 | 58,445 | 2,749 | -11,834 | -6,817 |
| Colorado | 6,337 | 3,510 | 384 | 5,111 | 2,545 | 458 | -5,141 |
| Illinois | 36,082 | 58,036 | -11,140 | 45,338 | 2,735 | -28,914 | -36,161 |
| Indiana | 3,322 | 4,144 | 365 | 4,036 | -925 | -3,135 | -4,603 |
| Iowa | 5,335 | 18,905 | -6,207 | 16,932 | 554 | -8,358 | -12,762 |
| Kansas | 8,180 | 15,103 | -12,416 | 12,485 | 8,499 | -7,912 | -13,678 |
| Kentucky | 9,981 | 9,559 | 3,182 | 10,772 | 4,043 | -2,925 | -7,983 |
| Louisiana | 5,164 | 21,574 | -7,721 | 43,862 | 21,196 | -23,999 | -29,222 |
| Maryland | 2,745 | 3,236 | -148 | 1,312 | 53 | -2,283 | -2,766 |
| Michigan | 45,886 | 84,170 | -702 | 77,495 | 53,120 | -32,347 | -64,478 |
| Minnesota | 203 | 444 | -303 | 5 | 4 | 0 | -130 |
| Mississippi | 4,251 | 7,431 | 3,703 | 8,471 | 1,122 | -2,145 | -5,204 |
| Missouri | 10 | 458 | -453 | 228 | -207 | -215 | -240 |
| Montana | 2,554 | 4,421 | 11,955 | 3,168 | 2,753 | 1,015 | -1,490 |
| Nebraska | 355 | 376 | -1,545 | 944 | 126 | -66 | -1,091 |
| New Mexico | -130 | -412 | 2,065 | 2,500 | 25 | -1,305 | -853 |
| New York | 9,548 | 11,582 | -131 | 10,285 | 4,803 | -2,343 | -6,626 |
| Ohio | 34,023 | 34,810 | -6,964 | 40,390 | 15,498 | -8,799 | -23,418 |
| Oklahoma | 737 | 21,199 | -10,892 | 24,727 | 13,548 | -19,571 | -14,433 |
| Oregon | 1,253 | 540 | -1,019 | 1,036 | -250 | -93 | -391 |
| Pennsylvania | 49,786 | 57,788 | 28,252 | 53,756 | 25,976 | -16,030 | -48,951 |
| Texas | -3,341 | 35,935 | 11,896 | 54,705 | 19,105 | -30,561 | -21,242 |
| Utah | 6,783 | 7,613 | -7,571 | 13,169 | 2,721 | -1,301 | -3,235 |
| Washington | 4,131 | -58 | -904 | 3,177 | 90 | 707 | -2,267 |
| West Virginia | 36,285 | 30,647 | 17,744 | 36,345 | 6,670 | -8,103 | -18,997 |
| Wyoming | 2,059 | 3,990 | 963 | 3,015 | 1,918 | -577 | -2,424 |
| AGA Regions | | | | | | | |
| Producing | 15,735 | 101,887 | -13,114 | 148,276 | 64,145 | -85,222 | -85,680 |
| Eastern Consuming | 233,545 | 314,105 | 22,091 | 298,078 | 112,688 | -113,768 | -228,337 |
| Western Consuming | 50,086 | 50,266 | 17,929 | 87,127 | 12,530 | -11,625 | -21,894 |
| Total | 299,366 | 466,258 | 26,906 | 533,481 | 189,363 | -210,615 | -335,912 |

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998
(Volumes in Million Cubic Feet) — Continued

| State | 1997 | | | | | | |
|-------------------------|----------|----------|----------|----------|---------|---------|----------|
| | August | July | June | May | April | March | February |
| Alabama | -286 | -43 | -93 | -271 | -130 | -25 | 184 |
| Arkansas | -1,234 | -1,472 | -1,340 | -608 | 178 | 342 | 1,006 |
| California | -8,032 | -11,406 | -23,191 | -24,048 | -19,220 | -441 | 19,742 |
| Colorado | -4,488 | -5,540 | -5,257 | -5,328 | 5,569 | 2,069 | 4,862 |
| Illinois | -35,848 | -32,648 | -28,038 | -23,880 | -546 | 23,189 | 39,774 |
| Indiana | -3,757 | -3,309 | -1,914 | -110 | 1,444 | 2,498 | 2,866 |
| Iowa | -10,938 | -8,777 | -8,361 | -3,473 | 1,627 | 2,953 | 8,469 |
| Kansas | -11,439 | -3,703 | -12,195 | -9,699 | -1,605 | 4,096 | 9,102 |
| Kentucky | -6,520 | -7,391 | -8,991 | -7,821 | -343 | 4,166 | 8,068 |
| Louisiana | -15,259 | -11,713 | -19,702 | -19,500 | -3,923 | -18,817 | 21,080 |
| Maryland | -2,292 | -1,497 | -1,657 | -1,590 | 133 | 1,903 | 2,662 |
| Michigan | -72,202 | -74,634 | -72,604 | -46,126 | -13,752 | 53,314 | 71,108 |
| Minnesota | -137 | -321 | -312 | -273 | -31 | 188 | 117 |
| Mississippi | -3,115 | 709 | -3,812 | -5,552 | 442 | -2,306 | 2,924 |
| Missouri | -379 | -433 | -112 | -1,200 | 56 | 1,174 | -252 |
| Montana | -2,339 | -2,710 | -1,633 | -846 | 1,810 | 2,591 | 3,983 |
| Nebraska | -964 | -75 | -797 | -708 | -43 | -241 | 504 |
| New Mexico | -328 | 587 | -534 | -1,228 | 583 | 501 | 1,527 |
| New York | -11,544 | -11,628 | -10,571 | -7,770 | -1,700 | 9,210 | 10,116 |
| Ohio | -32,053 | -34,093 | -37,335 | -34,081 | -1,385 | 21,557 | 28,120 |
| Oklahoma | -8,317 | -864 | -8,028 | -18,258 | -7,130 | -8,092 | 7,912 |
| Oregon | -1,123 | -1,240 | -1,602 | -1,239 | 543 | 920 | 1,078 |
| Pennsylvania | -44,991 | -41,099 | -49,619 | -44,272 | -3,306 | 50,263 | 52,298 |
| Texas | -13,220 | 10,013 | -20,500 | -27,751 | -17,395 | -21,183 | 24,869 |
| Utah | -5,284 | -8,117 | -7,950 | -4,255 | -2,150 | -2,620 | 2,520 |
| Washington | 990 | -490 | -3,766 | -5,880 | -66 | 3,217 | 1,798 |
| West Virginia | -24,020 | -26,065 | -31,691 | -23,964 | 1,715 | 23,312 | 28,900 |
| Wyoming | -2,712 | -3,393 | -2,290 | -1,119 | 127 | 1,082 | 2,976 |
| AGA Regions | | | | | | | |
| Producing | -52,913 | -6,442 | -66,111 | -82,596 | -28,850 | -45,460 | 68,420 |
| Eastern Consuming | -245,796 | -241,693 | -251,783 | -195,265 | -16,231 | 193,275 | 252,817 |
| Western Consuming | -23,125 | -33,218 | -46,001 | -42,987 | -13,416 | 7,006 | 37,076 |
| Total | -321,834 | -281,353 | -363,895 | -320,849 | -58,498 | 154,821 | 358,313 |

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998
(Volumes in Million Cubic Feet) — Continued

| State | 1997 | 1996 | | | | | |
|-------------------------|---------|----------|----------|----------|----------|-----------|----------|
| | January | Total | December | November | October | September | August |
| Alabama | 531 | -1,224 | 761 | 129 | -117 | -440 | -395 |
| Arkansas | 1,978 | 64 | 644 | 562 | -603 | -1,153 | -615 |
| California | 38,477 | 51,292 | 14,985 | -2,885 | -6,393 | -6,822 | 15,439 |
| Colorado | 5,523 | -1,004 | 2,923 | 92 | -87 | -3,828 | -3,722 |
| Illinois | 63,858 | -15,109 | 35,109 | 15,523 | -28,103 | -36,529 | -35,172 |
| Indiana | 7,272 | -1,801 | 3,290 | -853 | -2,715 | -3,911 | -6,115 |
| Iowa | 15,926 | -1,229 | 18,020 | 5,502 | -10,555 | -12,536 | -13,166 |
| Kansas | 13,633 | 12,118 | 12,290 | 12,828 | -6,005 | -8,532 | -8,265 |
| Kentucky | 18,108 | -7,530 | 8,039 | 4,853 | -2,826 | -8,590 | -10,071 |
| Louisiana | 48,276 | 10,964 | 32,273 | 29,327 | -15,704 | -33,463 | -32,218 |
| Maryland | 5,873 | 24 | 958 | 1,424 | -1,553 | -1,677 | -1,845 |
| Michigan | 120,403 | -31,671 | 83,640 | 61,160 | -49,100 | -81,220 | -82,649 |
| Minnesota | 588 | -30 | 218 | 30 | -35 | -202 | -213 |
| Mississippi | 12,169 | -12,758 | 4,658 | 5,707 | -3,369 | -7,330 | -7,868 |
| Missouri | 1,126 | -48 | 76 | 306 | -210 | -204 | -206 |
| Montana | 5,651 | 11,725 | 5,512 | 4,760 | 336 | -3,519 | -3,501 |
| Nebraska | 867 | -1,489 | 1,108 | 479 | 600 | -785 | -1,346 |
| New Mexico | 591 | 5,338 | -823 | 607 | 482 | -1,873 | 363 |
| New York | 17,636 | -13,367 | 8,151 | 6,347 | -2,750 | -7,327 | -12,585 |
| Ohio | 58,636 | -10,844 | 35,138 | 25,728 | -13,648 | -23,807 | -29,581 |
| Oklahoma | 27,616 | 22,961 | 20,970 | 17,468 | -10,345 | -18,814 | -14,973 |
| Oregon | 1,341 | 783 | 1,240 | 552 | 170 | -121 | -509 |
| Pennsylvania | 94,228 | -59,533 | 25,003 | 33,464 | -15,621 | -37,711 | -52,038 |
| Texas | 55,056 | 63,869 | 24,153 | 12,557 | -22,072 | -34,225 | -18,108 |
| Utah | 8,931 | 12,955 | 9,164 | 4,651 | 1,416 | -2,204 | -3,884 |
| Washington | 1,587 | 2,067 | 1,746 | 462 | 1,648 | -597 | -1,965 |
| West Virginia | 53,643 | -35,844 | 21,644 | 19,884 | -15,242 | -28,009 | -19,913 |
| Wyoming | 4,361 | 5,056 | 3,529 | 2,903 | -272 | -613 | -771 |
| AGA Regions | | | | | | | |
| Producing | 159,319 | 102,555 | 94,165 | 79,056 | -57,617 | -105,390 | -81,685 |
| Eastern Consuming | 458,106 | -179,663 | 240,936 | 173,946 | -141,841 | -242,746 | -265,082 |
| Western Consuming | 66,459 | 82,844 | 39,316 | 10,566 | -3,217 | -17,907 | 874 |
| Total | 683,884 | 5,735 | 374,417 | 263,567 | -202,675 | -366,042 | -345,894 |

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1996 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State,
August 1998**
(Volumes in Million Cubic Feet)

| State | Total Storage Capacity | Natural Gas in Underground Storage at End of Period | | | Change in Working Gas from Same Period Previous Year | | Storage Activity | |
|-------------------------|------------------------------|---|------------------|------------------|--|-------------|------------------|---------------|
| | | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals |
| Alabama | 3,280 | 1,190 | 1,540 | 2,730 | 288 | 23.0 | 203 | 3 |
| Arkansas | 31,871 | 10,960 | 7,441 | 18,401 | 636 | 9.4 | 1,040 | 35 |
| California | 396,430 | 243,228 | 155,486 | 398,714 | -12,854 | -7.6 | 12,168 | 4,885 |
| Colorado | 99,600 | 48,140 | 32,646 | 80,786 | -190 | -0.6 | 6,291 | 414 |
| Illinois | 898,565 | 649,968 | 205,365 | 855,332 | 8,527 | 4.3 | 32,751 | 1,117 |
| Indiana | 113,210 | 73,777 | 25,532 | 99,309 | -375 | -1.4 | 3,718 | 23 |
| Iowa | 271,200 | 200,700 | 46,443 | 247,143 | 6,861 | 17.3 | 13,088 | 986 |
| Kansas | 304,066 | 191,000 | 93,194 | 284,194 | 21,254 | 29.5 | 14,791 | 2,591 |
| Kentucky | 219,908 | 109,104 | 96,165 | 205,269 | 10,942 | 12.8 | 4,752 | 219 |
| Louisiana | 559,013 | 265,647 | 217,994 | 483,640 | 62,389 | 40.1 | 31,956 | 11,797 |
| Maryland | 62,000 | 46,677 | 12,982 | 59,660 | 3,589 | 38.2 | 1,407 | 0 |
| Michigan | 992,934 | 420,884 | 540,492 | 961,376 | 67,244 | 14.2 | 52,640 | 511 |
| Minnesota | 7,000 | 4,623 | 1,823 | 6,446 | -429 | -19.0 | 284 | 70 |
| Mississippi | 134,012 | 77,455 | 47,188 | 124,643 | 3,148 | 7.1 | 6,325 | 2,186 |
| Missouri | 31,274 | 21,600 | 9,020 | 30,620 | 8 | 0.1 | 211 | 8 |
| Montana | 342,785 | 167,368 | 47,271 | 214,639 | -4,243 | -8.2 | 4,878 | 354 |
| Nebraska | 39,469 | 31,507 | 3,743 | 35,250 | 336 | 9.9 | 792 | 176 |
| New Mexico | 96,600 | 23,489 | 8,253 | 31,742 | 2,746 | 49.9 | 883 | 674 |
| New York | 175,479 | 103,042 | 64,483 | 167,525 | 4,740 | 7.9 | 6,165 | 918 |
| Ohio | 573,434 | 352,680 | 165,056 | 517,736 | 13,026 | 8.6 | 27,796 | 550 |
| Oklahoma | 396,087 | 234,061 | 122,186 | 356,246 | 39,030 | 46.9 | 13,480 | 6,291 |
| Oregon | 11,623 | 4,896 | 6,260 | 11,156 | -29 | -0.5 | 819 | 0 |
| Pennsylvania | 684,842 | 354,901 | 315,535 | 670,435 | 31,380 | 11.0 | 30,243 | 10,586 |
| Texas | 683,891 | 252,720 | 251,953 | 504,673 | 86,021 | 51.8 | 31,640 | 13,011 |
| Utah | 121,980 | 64,465 | 30,504 | 94,969 | -5,609 | -15.5 | 7,394 | 9 |
| Washington | 37,300 | 22,096 | 12,547 | 34,644 | 9 | 0.1 | 3,952 | 312 |
| West Virginia | 734,158 | 296,487 | 154,642 | 451,129 | 20,934 | 15.7 | 29,591 | 516 |
| Wyoming | 105,869 | 60,729 | 19,209 | 79,938 | -927 | -4.6 | 2,015 | 6 |
| AGA Regions | | | | | | | | |
| Producing | 2,205,540 | 1,055,332 | 748,207 | 1,803,540 | 215,226 | 40.4 | 100,115 | 36,584 |
| Eastern Consuming | 4,799,753 | 2,662,518 | 1,640,997 | 4,303,515 | 167,501 | 11.4 | 203,357 | 15,613 |
| Western Consuming | 1,122,586 | 615,545 | 305,746 | 921,291 | -24,272 | -7.4 | 37,801 | 6,050 |
| Total | 8,127,879 | 4,333,396 | 2,694,950 | 7,028,345 | 358,455 | 15.3 | 341,272 | 58,247 |

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998
(Million Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | |
|----------------------------|------------------|------------------|------------------|----------------|----------------------------|----------------------------|
| | | | | July | June | May |
| Alabama | 35,925 | 32,528 | 42,203 | 1,202 | 1,386 | 2,335 |
| Alaska | 8,763 | 8,724 | 9,919 | 479 | 628 | 933 |
| Arizona | 26,253 | 21,308 | 18,519 | 1,062 | 1,375 | 2,092 |
| Arkansas | 24,392 | 28,866 | 32,813 | 1,146 | 1,171 | ^R 1,731 |
| California | 371,062 | 308,558 | 288,380 | 25,147 | 33,207 | 38,118 |
| Colorado | NA | 75,825 | 75,374 | NA | 1,592 | 7,546 |
| Connecticut | 24,638 | 27,007 | 30,614 | 1,028 | 1,195 | 1,878 |
| Delaware | 5,760 | 6,436 | 7,261 | 197 | 252 | 450 |
| District of Columbia | 9,441 | 10,653 | 12,274 | 371 | 435 | 636 |
| Florida | 10,936 | 9,112 | 11,639 | 707 | 817 | 1,017 |
| Georgia | 72,225 | 65,182 | 82,002 | 2,956 | 3,186 | 3,558 |
| Hawaii | 345 | 312 | 334 | 45 | 47 | 47 |
| Idaho | 10,771 | 10,196 | 9,859 | 402 | 666 | 904 |
| Illinois | 255,090 | 320,074 | 343,348 | 9,497 | 11,529 | 14,790 |
| Indiana | NA | 112,267 | 120,695 | NA | ^R 3,291 | 5,270 |
| Iowa | 46,141 | 53,581 | 56,975 | 1,622 | 1,435 | 2,807 |
| Kansas | 52,065 | 50,173 | 54,764 | 1,783 | 2,155 | 3,803 |
| Kentucky | 35,876 | 41,027 | 45,373 | 1,321 | 1,360 | 1,961 |
| Louisiana | 34,082 | 34,584 | 41,174 | 1,774 | 1,814 | 2,310 |
| Maine | 587 | 638 | 623 | 22 | ^R 31 | ^R 45 |
| Maryland | 45,839 | 50,477 | 58,269 | 1,828 | 2,087 | 2,992 |
| Massachusetts | NA | 75,783 | 80,323 | 2,842 | NA | NA |
| Michigan | 215,679 | 257,687 | 273,040 | 7,275 | 9,771 | 13,888 |
| Minnesota | 69,219 | 86,420 | 93,101 | 2,537 | 2,735 | 3,836 |
| Mississippi | NA | 18,132 | 22,097 | NA | NA | NA |
| Missouri | 80,320 | 88,232 | 95,480 | 2,670 | 3,128 | 4,980 |
| Montana | NA | 13,583 | 14,099 | 481 | 1,086 | NA |
| Nebraska | 29,524 | 33,667 | 33,540 | 1,014 | 1,199 | 1,961 |
| Nevada | 20,158 | 16,773 | 14,848 | 977 | 1,487 | 1,884 |
| New Hampshire | 4,477 | 4,742 | 4,854 | 169 | 238 | 378 |
| New Jersey | 126,371 | 143,378 | 153,600 | 4,845 | 5,736 | 11,735 |
| New Mexico | 21,926 | 21,268 | 21,328 | 822 | 284 | 1,270 |
| New York | NA | 277,839 | 277,778 | NA | NA | NA |
| North Carolina | 37,546 | 35,613 | 42,267 | 1,044 | 1,192 | 2,243 |
| North Dakota | 6,905 | 8,269 | 8,422 | 235 | 292 | 490 |
| Ohio | NA | 238,849 | 251,796 | NA | 8,509 | 11,550 |
| Oklahoma | 48,694 | 49,478 | 54,148 | 1,633 | 1,855 | 3,094 |
| Oregon | NA | 22,585 | 22,022 | 944 | 1,641 | 2,135 |
| Pennsylvania | NA | 174,129 | 190,477 | 5,283 | 6,505 | 9,880 |
| Rhode Island | NA | 12,614 | 13,418 | 462 | 622 | ^R 1,001 |
| South Carolina | 19,144 | 16,901 | 21,207 | 474 | 562 | 1,071 |
| South Dakota | 7,814 | 9,099 | 9,302 | 274 | 302 | 512 |
| Tennessee | NA | 43,404 | 50,019 | 1,186 | 1,410 | 2,674 |
| Texas | 125,334 | 137,414 | 154,065 | 5,436 | 5,478 | 8,183 |
| Utah | 33,388 | 33,986 | 32,221 | 1,264 | 1,958 | 2,243 |
| Vermont | 1,680 | 1,843 | 1,810 | 56 | 77 | 118 |
| Virginia | 43,075 | 48,508 | 52,163 | 1,425 | 1,737 | 2,509 |
| Washington | NA | NA | 40,926 | NA | NA | NA |
| West Virginia | NA | 23,033 | 25,990 | NA | NA | NA |
| Wisconsin | 73,999 | 87,278 | 96,244 | 2,415 | 3,470 | 4,080 |
| Wyoming | NA | 8,271 | 8,736 | NA | 503 | 704 |
| Total | 3,010,064 | 3,300,420 | 3,501,737 | 123,381 | ^R152,017 | ^R219,256 |

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1998 | | | | 1997 | |
|----------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|----------------------|
| | April | March | February | January | Total | December |
| Alabama | 4,610 | 7,480 | 9,222 | 9,689 | 48,328 | 7,914 |
| Alaska | 1,239 | 1,529 | 1,716 | 2,240 | 15,284 | 2,162 |
| Arizona | 3,694 | 5,323 | 5,604 | 7,103 | 31,162 | 4,780 |
| Arkansas | 2,270 | 6,069 | 6,668 | 5,336 | 42,472 | 6,375 |
| California | 54,072 | 62,006 | 76,210 | 82,302 | 486,233 | 69,510 |
| Colorado | ^R 11,118 | ^R 15,570 | ^R 16,176 | ^R 18,860 | ^R 111,781 | ^R 16,877 |
| Connecticut | 3,638 | 5,051 | 5,585 | 6,263 | 39,929 | 5,901 |
| Delaware | 846 | 1,248 | 1,360 | 1,408 | 8,920 | 1,206 |
| District of Columbia | 1,195 | 2,032 | 2,365 | 2,409 | 15,698 | 2,312 |
| Florida | 1,631 | 2,044 | 2,251 | 2,470 | 14,538 | 2,038 |
| Georgia | 8,015 | 16,312 | 18,031 | 20,167 | 114,282 | 19,723 |
| Hawaii | 49 | 49 | 52 | 55 | 518 | 45 |
| Idaho | 1,560 | 2,032 | 2,232 | 2,975 | 15,245 | 2,372 |
| Illinois | 33,014 | 54,697 | 53,146 | 78,417 | 497,370 | 69,685 |
| Indiana | NA | 23,358 | 20,668 | 26,868 | 170,494 | 26,161 |
| Iowa | 5,821 | 10,634 | 10,261 | 13,560 | 81,357 | 12,039 |
| Kansas | 7,378 | 11,857 | 11,594 | 13,494 | 75,968 | 11,319 |
| Kentucky | 3,937 | 8,164 | 8,515 | 10,618 | 65,852 | 11,153 |
| Louisiana | 3,736 | 7,184 | 7,953 | 9,311 | 52,364 | 8,007 |
| Maine | 92 | 120 | 124 | 153 | 1,009 | 142 |
| Maryland | 5,696 | 9,577 | 11,052 | 12,609 | 77,109 | 10,927 |
| Massachusetts | 10,697 | 14,514 | 15,644 | 16,948 | 110,969 | 15,274 |
| Michigan | 31,736 | 47,397 | 48,977 | 56,636 | 379,431 | 49,980 |
| Minnesota | 7,148 | 16,337 | 15,023 | 21,603 | ^R 131,072 | 17,705 |
| Mississippi | NA | NA | 4,564 | NA | 27,399 | 4,327 |
| Missouri | 10,435 | 17,763 | 18,966 | 22,378 | 128,012 | 19,007 |
| Montana | 1,676 | 2,429 | 2,404 | 3,418 | 20,995 | 3,197 |
| Nebraska | 4,324 | 6,482 | 6,642 | 7,902 | 47,115 | 5,790 |
| Nevada | 2,826 | 3,809 | 4,149 | 5,025 | 25,154 | 3,867 |
| New Hampshire | 697 | 845 | 1,010 | 1,140 | 6,949 | 933 |
| New Jersey | 17,514 | 26,429 | 29,313 | 30,800 | 212,726 | 30,622 |
| New Mexico | 2,589 | 4,740 | 4,337 | 7,884 | 36,380 | 8,162 |
| New York | 30,102 | 42,752 | 46,717 | NA | ^R 399,216 | ^R 48,919 |
| North Carolina | 5,018 | 7,535 | 9,710 | 10,803 | 52,993 | 9,219 |
| North Dakota | 953 | 1,464 | 1,561 | 1,910 | ^R 11,754 | 1,471 |
| Ohio | 24,861 | 44,211 | 43,910 | 50,527 | 359,712 | 51,089 |
| Oklahoma | 5,854 | 10,832 | 11,652 | 13,774 | 71,745 | 11,053 |
| Oregon | NA | NA | 4,581 | 6,117 | 33,308 | 4,834 |
| Pennsylvania | NA | 32,526 | 34,714 | 31,526 | 262,841 | 37,823 |
| Rhode Island | NA | 2,402 | 2,720 | 2,781 | 18,162 | 2,509 |
| South Carolina | 2,421 | 4,006 | 5,177 | 5,432 | 25,475 | 4,634 |
| South Dakota | 1,127 | 1,738 | 1,666 | 2,196 | 13,225 | 1,734 |
| Tennessee | 5,170 | 9,938 | 9,546 | NA | 65,025 | 11,064 |
| Texas | 13,832 | 25,051 | 30,500 | 36,854 | 211,229 | 33,619 |
| Utah | 4,853 | 6,482 | 8,193 | 8,396 | 58,099 | 10,374 |
| Vermont | 266 | 340 | 397 | 427 | 2,631 | 345 |
| Virginia | 5,172 | 9,618 | 11,067 | 11,546 | 73,716 | 11,657 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 2,785 | 4,553 | 4,906 | 5,039 | 36,349 | 6,079 |
| Wisconsin | 9,198 | 17,130 | 15,618 | 22,087 | 136,335 | 19,157 |
| Wyoming | 1,182 | 1,566 | 1,560 | NA | 12,163 | 1,489 |
| Total | ^R 405,496 | ^R 636,106 | ^R 679,531 | ^R 794,277 | ^R 5,013,009 | ^R 730,763 |

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | |
|----------------------------|----------------------|---------|----------------------|----------------------|----------------------|----------------------|
| | November | October | September | August | July | June |
| Alabama | 3,963 | 1,435 | 1,250 | 1,238 | 1,392 | 1,604 |
| Alaska | 1,684 | 1,569 | 743 | 402 | 463 | 508 |
| Arizona | 1,980 | 1,057 | 1,127 | 910 | 1,019 | 1,154 |
| Arkansas | 4,018 | 1,346 | 949 | 918 | 1,028 | 1,240 |
| California | 40,537 | 24,905 | 21,772 | 20,951 | 26,840 | 23,572 |
| Colorado | ^R 9,806 | 4,146 | 2,623 | 2,503 | 2,865 | 3,991 |
| Connecticut | 3,625 | 1,492 | 1,001 | 903 | 949 | 1,380 |
| Delaware | 667 | 250 | 183 | 178 | 194 | 318 |
| District of Columbia | 1,414 | 553 | 393 | 372 | 419 | 562 |
| Florida | 1,192 | 755 | 699 | 742 | 785 | 856 |
| Georgia | 16,465 | 6,777 | 3,190 | 2,944 | 3,195 | 3,357 |
| Hawaii | 42 | 39 | 40 | 41 | 43 | 41 |
| Idaho | 1,429 | 639 | 315 | 294 | 346 | 433 |
| Illinois | 56,316 | 29,486 | 11,697 | 10,111 | 10,378 | 11,617 |
| Indiana | 17,458 | 8,129 | 3,491 | 2,989 | 2,852 | 4,958 |
| Iowa | 8,592 | 4,027 | 1,645 | 1,472 | 1,593 | 2,102 |
| Kansas | 8,812 | 2,419 | 1,629 | 1,616 | 1,862 | 1,652 |
| Kentucky | 8,075 | 3,072 | 1,448 | 1,077 | 1,419 | 1,572 |
| Louisiana | 4,321 | 2,085 | 1,697 | 1,671 | 1,685 | 2,050 |
| Maine | 107 | 66 | 30 | 26 | 21 | 34 |
| Maryland | 8,296 | 3,543 | 2,067 | 1,800 | 1,906 | 2,677 |
| Massachusetts | 10,140 | 4,780 | 2,555 | 2,437 | 2,831 | 4,370 |
| Michigan | 37,898 | 17,835 | 8,767 | 7,264 | 4,748 | 12,010 |
| Minnesota | 15,376 | 6,811 | ^R 2,534 | ^R 2,226 | ^R 2,376 | ^R 3,169 |
| Mississippi | 2,545 | 896 | ^R 779 | ^R 720 | ^R 790 | 920 |
| Missouri | 12,077 | 3,667 | 2,625 | 2,403 | 2,717 | 3,665 |
| Montana | 2,030 | 1,230 | 508 | 447 | 411 | 631 |
| Nebraska | 4,401 | 1,382 | 936 | 937 | 1,015 | 1,367 |
| Nevada | 1,917 | 1,019 | 802 | 777 | 887 | 981 |
| New Hampshire | 616 | 327 | 175 | 155 | 160 | 263 |
| New Jersey | 19,893 | 8,843 | 5,309 | 4,680 | 5,102 | 6,457 |
| New Mexico | 4,067 | 1,209 | 830 | 843 | 815 | 238 |
| New York | 35,378 | 16,616 | 9,976 | ^R 10,487 | 10,440 | 15,312 |
| North Carolina | 4,884 | 1,441 | 935 | 900 | 1,074 | 1,599 |
| North Dakota | 1,178 | 474 | ^R 193 | ^R 169 | ^R 192 | ^R 297 |
| Ohio | 37,009 | 19,335 | 7,228 | 6,202 | 7,533 | 14,843 |
| Oklahoma | 6,181 | 1,966 | 1,548 | 1,519 | 1,679 | 2,105 |
| Oregon | 2,809 | 1,498 | 826 | 756 | 878 | 1,065 |
| Pennsylvania | 26,338 | 12,987 | 6,315 | 5,249 | 5,153 | 7,583 |
| Rhode Island | 1,464 | 659 | 473 | 443 | 480 | 727 |
| South Carolina | 2,399 | 631 | 466 | 444 | 512 | 701 |
| South Dakota | 1,329 | 569 | 261 | 233 | 248 | 368 |
| Tennessee | 6,385 | 1,905 | 1,187 | 1,080 | 1,119 | ^R 1,584 |
| Texas | 19,418 | 8,261 | 6,416 | 6,101 | 6,829 | 7,595 |
| Utah | 6,017 | 4,299 | 1,957 | 1,466 | 1,501 | 1,601 |
| Vermont | 214 | 118 | 59 | 52 | 57 | 97 |
| Virginia | 7,430 | 3,007 | 1,640 | 1,473 | 1,576 | 2,054 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 4,103 | 1,755 | 784 | 594 | 488 | 961 |
| Wisconsin | 16,222 | 8,154 | 2,974 | 2,550 | 2,878 | 2,965 |
| Wyoming | 1,175 | 646 | 330 | 252 | 294 | 395 |
| Total | ^R 499,155 | 234,624 | ^R 129,837 | ^R 118,210 | ^R 128,521 | ^R 164,658 |

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | 1996 |
|----------------------------|----------------|----------------|----------------------------|----------------------------|---------------------|------------------|
| | May | April | March | February | January | Total |
| Alabama | 2,638 | 3,180 | 5,326 | 9,098 | 9,290 | 56,522 |
| Alaska | 789 | 1,177 | 1,767 | 1,618 | 2,402 | 16,179 |
| Arizona | 1,571 | 2,259 | 4,235 | 5,092 | 5,978 | 27,709 |
| Arkansas | 2,324 | 3,293 | 4,942 | 7,754 | 8,285 | 46,289 |
| California | 28,707 | 39,271 | 48,377 | 66,688 | 75,103 | 473,310 |
| Colorado | 8,207 | 10,629 | 15,239 | ^R 16,898 | ^R 17,996 | 110,924 |
| Connecticut | 2,332 | 4,378 | 5,176 | 6,538 | 6,255 | 43,764 |
| Delaware | 557 | 942 | 1,265 | 1,612 | 1,549 | 9,791 |
| District of Columbia | 944 | 1,316 | 2,049 | 2,655 | 2,708 | 17,290 |
| Florida | 944 | 1,013 | 1,279 | 2,068 | 2,167 | 16,293 |
| Georgia | 3,834 | 8,221 | 9,001 | 16,024 | 21,550 | 127,062 |
| Hawaii | 42 | 41 | 46 | 49 | 51 | 540 |
| Idaho | 939 | 1,464 | 1,909 | 2,542 | 2,564 | 14,941 |
| Illinois | 26,081 | 41,192 | 61,416 | 69,338 | 100,053 | 538,749 |
| Indiana | 9,482 | 15,219 | 20,684 | 26,294 | 32,779 | 179,939 |
| Iowa | 3,938 | 6,971 | 9,528 | 11,881 | 17,568 | 88,078 |
| Kansas | 3,581 | 6,402 | 8,769 | 12,105 | 15,803 | 85,376 |
| Kentucky | 2,954 | 4,883 | 7,293 | 8,964 | 13,942 | 70,232 |
| Louisiana | 2,824 | 3,680 | 5,619 | 8,991 | 9,736 | 56,626 |
| Maine | 56 | 85 | 142 | 133 | 166 | 967 |
| Maryland | 4,215 | 6,913 | 8,998 | 12,080 | 13,687 | 85,533 |
| Massachusetts | 6,917 | 12,122 | 15,127 | 17,654 | 16,762 | 114,365 |
| Michigan | 26,958 | 38,256 | 51,299 | 57,545 | 66,871 | 399,522 |
| Minnesota | 6,775 | 11,435 | 16,959 | 19,966 | 25,740 | 142,319 |
| Mississippi | 1,463 | 1,904 | 3,038 | 4,968 | 5,050 | 30,157 |
| Missouri | 6,474 | 11,030 | 15,422 | 23,426 | 25,499 | 137,225 |
| Montana | 1,143 | 1,996 | 2,468 | 3,038 | 3,897 | 22,175 |
| Nebraska | 3,177 | 4,355 | 6,232 | 7,829 | 9,692 | 48,989 |
| Nevada | 1,419 | 2,018 | 3,172 | 3,825 | 4,470 | 22,607 |
| New Hampshire | 465 | 744 | 913 | 1,136 | 1,061 | 7,012 |
| New Jersey | 11,258 | 18,139 | 31,984 | 34,709 | 35,729 | 222,619 |
| New Mexico | 1,952 | 1,503 | 3,810 | 5,630 | 7,320 | 33,689 |
| New York | 27,004 | 41,729 | ^R 52,595 | 63,646 | 67,111 | 403,264 |
| North Carolina | 2,991 | 4,087 | 5,811 | 10,002 | 10,050 | 58,812 |
| North Dakota | 730 | 1,178 | 1,576 | 1,984 | 2,313 | 12,591 |
| Ohio | 21,575 | 33,023 | 44,153 | 52,497 | 65,225 | 374,824 |
| Oklahoma | 3,857 | 6,160 | 9,070 | 12,687 | 13,920 | 76,629 |
| Oregon | 1,920 | 3,206 | 4,350 | 5,308 | 5,857 | 33,236 |
| Pennsylvania | 15,446 | 25,130 | 33,537 | 41,287 | 45,992 | 278,606 |
| Rhode Island | 1,171 | 1,994 | 2,462 | 2,891 | 2,890 | 18,839 |
| South Carolina | 1,230 | 1,776 | 2,592 | 4,994 | 5,097 | 29,406 |
| South Dakota | 784 | 1,250 | 1,625 | 2,089 | 2,735 | 14,085 |
| Tennessee | 3,019 | 4,797 | ^R 8,003 | 12,086 | 12,795 | 70,423 |
| Texas | 10,420 | 14,025 | 22,686 | 33,154 | 42,706 | 229,318 |
| Utah | 1,821 | 4,875 | 5,945 | 8,366 | 9,876 | 54,344 |
| Vermont | 189 | 283 | 383 | 416 | 419 | 2,523 |
| Virginia | 4,227 | 6,662 | 9,123 | 11,741 | 13,126 | 76,214 |
| Washington | 5,591 | 4,586 | 8,132 | 9,377 | 10,885 | 62,689 |
| West Virginia | 2,246 | 3,421 | 4,318 | 5,630 | 5,969 | 37,390 |
| Wisconsin | 7,456 | 11,112 | 17,378 | 19,323 | 26,165 | 147,893 |
| Wyoming | 1,076 | 1,058 | 1,544 | 1,660 | 2,243 | 13,534 |
| Total | 287,712 | 436,386 | ^R608,765 | ^R767,282 | 907,096 | 5,241,414 |

^R = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998
(Million Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | |
|----------------------------|------------------|------------------|------------------|----------------|----------------------------|----------------------------|
| | | | | July | June | May |
| Alabama | 20,690 | 20,390 | 20,145 | 1,030 | 1,118 | 3,768 |
| Alaska | 13,534 | 15,527 | 15,987 | 1,190 | 1,274 | 1,684 |
| Arizona | 20,681 | 19,156 | 18,085 | 1,890 | 2,073 | 2,495 |
| Arkansas | NA | 19,179 | 21,146 | 2,253 | NA | ^R 1,432 |
| California | 169,508 | 150,162 | 135,109 | 27,131 | 18,132 | 22,410 |
| Colorado | NA | 44,245 | 46,390 | NA | 3,415 | 4,768 |
| Connecticut | 27,321 | 26,940 | 25,836 | 2,456 | 2,151 | 2,124 |
| Delaware | 3,954 | 4,464 | 4,668 | 190 | 226 | 320 |
| District of Columbia | 11,656 | 11,679 | 10,499 | 871 | 913 | 1,085 |
| Florida | 24,288 | 22,708 | 26,289 | 2,630 | 2,748 | 3,112 |
| Georgia | 37,593 | 34,247 | 39,860 | 2,757 | 2,725 | 3,248 |
| Hawaii | 1,240 | 1,241 | 1,289 | 169 | 181 | 169 |
| Idaho | 7,680 | 7,444 | 7,405 | 407 | 537 | 689 |
| Illinois | 110,485 | 130,319 | 135,884 | 5,951 | 6,702 | 6,961 |
| Indiana | NA | 65,332 | 57,546 | NA | NA | 3,258 |
| Iowa | 29,246 | 31,871 | 35,057 | 1,353 | 1,237 | 1,566 |
| Kansas | 30,679 | 33,495 | 36,327 | 1,914 | 1,722 | 2,093 |
| Kentucky | 21,608 | 23,942 | 26,083 | 1,061 | 1,195 | 1,505 |
| Louisiana | NA | 15,701 | 17,611 | 1,799 | NA | 1,629 |
| Maine | 1,637 | 1,705 | 1,652 | 75 | ^R 90 | ^R 122 |
| Maryland | 30,120 | 30,862 | 29,501 | 2,188 | 2,507 | 2,532 |
| Massachusetts | 62,051 | 67,348 | 60,243 | 4,054 | 5,209 | 5,789 |
| Michigan | 108,332 | 129,044 | 134,780 | 5,301 | 6,297 | 8,530 |
| Minnesota | 52,039 | 59,999 | 62,171 | 2,026 | 3,003 | 3,208 |
| Mississippi | NA | 13,541 | 14,897 | NA | NA | NA |
| Missouri | 42,675 | 47,315 | 48,913 | 2,210 | 2,352 | 2,978 |
| Montana | NA | 9,028 | 9,320 | 400 | 839 | NA |
| Nebraska | 19,569 | 27,259 | 24,582 | 1,070 | 856 | 1,690 |
| Nevada | 15,270 | 13,851 | 12,740 | 1,304 | 1,587 | 1,876 |
| New Hampshire | NA | 4,819 | 4,752 | 228 | NA | ^R 375 |
| New Jersey | 93,977 | 94,234 | 99,875 | 6,385 | 6,873 | 10,233 |
| New Mexico | 16,698 | 16,595 | 16,667 | 998 | 932 | 1,525 |
| New York | NA | 221,862 | NA | NA | NA | NA |
| North Carolina | 25,703 | 24,407 | 26,916 | 1,502 | 1,658 | 2,053 |
| North Dakota | 6,616 | 7,631 | 7,766 | 285 | 312 | 507 |
| Ohio | NA | 122,588 | 128,398 | NA | 5,165 | 7,134 |
| Oklahoma | 31,147 | 29,302 | 31,528 | 1,837 | 1,826 | 2,291 |
| Oregon | NA | 16,725 | 16,454 | 1,047 | 1,428 | 1,618 |
| Pennsylvania | NA | 93,571 | 100,374 | 4,607 | 4,906 | 6,114 |
| Rhode Island | NA | 8,182 | 8,363 | 484 | 495 | NA |
| South Carolina | 13,194 | 11,334 | 13,082 | 1,013 | 1,063 | 1,209 |
| South Dakota | 6,161 | 6,961 | 7,344 | 283 | 285 | 539 |
| Tennessee | NA | 37,099 | 38,619 | 2,507 | 2,646 | 2,993 |
| Texas | 123,022 | 120,447 | 116,572 | 18,195 | 11,161 | 13,616 |
| Utah | 18,824 | 18,704 | 17,912 | 845 | 1,154 | 1,510 |
| Vermont | 1,913 | 1,994 | 1,880 | 102 | 110 | 116 |
| Virginia | 39,381 | 39,097 | 38,152 | 2,739 | 2,682 | 3,672 |
| Washington | NA | NA | 30,709 | NA | NA | NA |
| West Virginia | NA | 16,513 | 18,081 | 5,166 | NA | 1,709 |
| Wisconsin | 50,519 | 57,351 | 60,055 | 3,063 | 3,471 | 3,801 |
| Wyoming | NA | 8,784 | 5,585 | NA | 409 | 545 |
| Total | 1,930,461 | 2,069,078 | 2,035,805 | 153,798 | ^R144,597 | ^R174,738 |

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1998 | | | | 1997 | |
|----------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|----------------------|
| | April | March | February | January | Total | December |
| Alabama | 2,713 | 3,522 | 4,010 | 4,529 | 34,239 | 3,740 |
| Alaska | 1,911 | 2,251 | 2,340 | 2,883 | 26,795 | 3,134 |
| Arizona | 3,013 | 3,548 | 3,534 | 4,129 | 30,178 | 3,386 |
| Arkansas | 1,728 | 3,843 | 4,075 | 4,781 | 29,518 | 3,996 |
| California | 23,269 | 19,321 | 28,787 | 30,457 | 254,440 | 26,174 |
| Colorado | ^R 6,738 | ^R 9,008 | ^R 9,159 | ^R 10,507 | ^R 66,314 | 9,405 |
| Connecticut | 4,294 | 4,999 | 5,540 | 5,757 | 42,370 | 5,776 |
| Delaware | 556 | 829 | 899 | 935 | 6,547 | 864 |
| District of Columbia | 1,830 | 2,032 | 2,382 | 2,542 | ^R 17,931 | 2,293 |
| Florida | 3,701 | 3,961 | 3,984 | 4,152 | 37,644 | 3,833 |
| Georgia | 4,882 | 7,391 | 8,120 | 8,471 | 57,474 | 7,991 |
| Hawaii | 174 | 172 | 179 | 196 | 2,174 | 185 |
| Idaho | 1,077 | 1,423 | 1,570 | 1,977 | 11,435 | 1,657 |
| Illinois | 15,326 | 22,556 | 22,455 | 30,533 | 205,941 | 27,467 |
| Indiana | NA | 11,063 | 10,460 | 12,876 | 98,622 | 13,318 |
| Iowa | 3,605 | 7,584 | 5,962 | 7,938 | 50,218 | 7,166 |
| Kansas | 3,381 | 8,014 | 6,177 | 7,378 | 52,331 | 6,777 |
| Kentucky | 2,490 | 4,636 | 5,053 | 5,668 | 39,046 | 6,217 |
| Louisiana | 2,048 | 5,056 | 4,998 | 4,511 | 24,451 | 2,987 |
| Maine | 255 | 332 | 342 | 422 | 2,713 | 375 |
| Maryland | 3,668 | 6,091 | 6,474 | 6,659 | 53,255 | 6,365 |
| Massachusetts | 8,771 | 11,570 | 12,943 | 13,716 | 105,883 | 11,544 |
| Michigan | 15,784 | 22,837 | 23,664 | 25,919 | 197,276 | 26,512 |
| Minnesota | 5,685 | 11,726 | 11,133 | 15,257 | ^R 93,488 | 12,420 |
| Mississippi | NA | NA | 3,310 | NA | ^R 21,784 | 2,928 |
| Missouri | 5,545 | 8,978 | 9,467 | 11,144 | 70,044 | 9,543 |
| Montana | 1,029 | 1,527 | 1,459 | 2,178 | 13,932 | 2,005 |
| Nebraska | 2,786 | 4,027 | 4,237 | 4,903 | 42,107 | 4,247 |
| Nevada | 2,207 | 2,642 | 2,575 | 3,078 | 21,822 | 2,567 |
| New Hampshire | 710 | 869 | 1,051 | 1,167 | 7,408 | 1,010 |
| New Jersey | 11,748 | 19,826 | 18,713 | 20,200 | 147,228 | 20,186 |
| New Mexico | 2,281 | 3,211 | 3,243 | 4,509 | 26,151 | 3,956 |
| New York | 20,716 | NA | NA | NA | ^R 344,641 | 36,071 |
| North Carolina | 3,326 | 4,879 | 5,791 | 6,495 | 38,942 | 5,608 |
| North Dakota | 953 | 1,372 | 1,434 | 1,753 | 11,392 | 1,374 |
| Ohio | 13,211 | 21,443 | 23,991 | 27,046 | 184,883 | 25,219 |
| Oklahoma | 4,018 | 6,347 | 6,859 | 7,969 | 43,776 | 5,673 |
| Oregon | NA | NA | 3,308 | 3,889 | 25,380 | 3,341 |
| Pennsylvania | NA | 17,790 | 19,674 | 21,571 | 147,290 | 20,160 |
| Rhode Island | NA | 1,492 | 1,620 | 1,786 | 12,303 | 1,413 |
| South Carolina | 1,732 | 2,440 | 2,781 | 2,955 | 19,874 | 2,671 |
| South Dakota | 806 | 1,335 | 1,292 | 1,621 | 10,426 | 1,312 |
| Tennessee | 4,714 | 7,027 | 6,063 | NA | 57,464 | 8,120 |
| Texas | 14,839 | 20,104 | 20,826 | 24,280 | 206,455 | 23,104 |
| Utah | 2,749 | 3,787 | 4,235 | 4,544 | 31,130 | 5,152 |
| Vermont | 281 | 381 | 436 | 487 | 3,051 | 403 |
| Virginia | 5,338 | 7,878 | 8,398 | 8,673 | ^R 62,318 | ^R 9,437 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 2,235 | 3,146 | ^R 3,310 | 3,564 | 26,927 | 3,447 |
| Wisconsin | 6,632 | 11,019 | 9,845 | 12,688 | 92,418 | 12,954 |
| Wyoming | 783 | 1,128 | 1,288 | NA | 12,291 | 1,092 |
| Total | ^R 253,741 | ^R 368,607 | ^R 389,231 | ^R 445,750 | ^R 3,285,463 | ^R 414,894 |

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | |
|----------------------------|----------------------|---------|----------------------|----------------------|----------------------|--------------------|
| | November | October | September | August | July | June |
| Alabama | 2,540 | 2,107 | 2,375 | 3,087 | 3,497 | 1,779 |
| Alaska | 2,647 | 2,564 | 1,588 | 1,336 | 1,398 | 1,422 |
| Arizona | 2,273 | 1,754 | 1,839 | 1,770 | 1,939 | 1,976 |
| Arkansas | 2,726 | 1,352 | 1,133 | 1,132 | 1,133 | 1,219 |
| California | 21,235 | 19,673 | 18,468 | 18,728 | 17,971 | 16,572 |
| Colorado | ^R 5,936 | 2,443 | 2,281 | 2,005 | 2,244 | 2,860 |
| Connecticut | 3,838 | 2,502 | 1,560 | 1,754 | 2,136 | 2,227 |
| Delaware | 520 | 282 | 233 | 183 | 206 | 281 |
| District of Columbia | 1,354 | 899 | 852 | 853 | 783 | 951 |
| Florida | 3,203 | 2,687 | 2,561 | 2,651 | 2,578 | 2,917 |
| Georgia | 6,146 | 3,654 | 2,811 | 2,626 | 2,709 | 2,800 |
| Hawaii | 251 | 171 | 166 | 160 | 175 | 170 |
| Idaho | 982 | 585 | 411 | 356 | 373 | 399 |
| Illinois | 23,244 | 12,431 | 6,546 | 5,935 | 6,084 | 6,145 |
| Indiana | 9,608 | 5,146 | 2,667 | 2,551 | 2,428 | 6,344 |
| Iowa | 5,681 | 3,031 | 1,358 | 1,110 | 1,306 | 1,262 |
| Kansas | 4,780 | 2,508 | 2,087 | 2,685 | 3,283 | 2,078 |
| Kentucky | 4,223 | 2,429 | 1,268 | 967 | 1,176 | 1,181 |
| Louisiana | 1,988 | 1,330 | 1,250 | 1,195 | 1,350 | 1,408 |
| Maine | 289 | 176 | 91 | 78 | 72 | 92 |
| Maryland | 8,614 | 2,917 | 2,271 | 2,226 | 2,378 | 2,305 |
| Massachusetts | 8,664 | 7,063 | 5,488 | 5,776 | 5,555 | 7,151 |
| Michigan | 19,536 | 10,084 | 6,211 | 5,889 | 2,278 | 7,664 |
| Minnesota | 10,831 | 5,320 | ^R 2,396 | 2,522 | 2,496 | 3,004 |
| Mississippi | 2,026 | 1,157 | ^R 871 | ^R 1,261 | ^R 1,202 | 1,176 |
| Missouri | 6,200 | 2,736 | 2,196 | 2,054 | 2,151 | 2,457 |
| Montana | 1,299 | 793 | 423 | 383 | 363 | 451 |
| Nebraska | 3,487 | 2,351 | 1,868 | 2,896 | 5,042 | 1,728 |
| Nevada | 1,797 | 1,270 | 1,192 | 1,145 | 1,097 | 1,409 |
| New Hampshire | 703 | 411 | 249 | 217 | 216 | 286 |
| New Jersey | 13,739 | 7,215 | 6,062 | 5,793 | 6,094 | 7,027 |
| New Mexico | 2,423 | 1,160 | 1,020 | 997 | 984 | 960 |
| New York | 27,233 | 21,384 | 18,287 | ^R 19,804 | 23,940 | 24,103 |
| North Carolina | 3,490 | 2,057 | 1,751 | 1,629 | 1,548 | 1,770 |
| North Dakota | 1,163 | 588 | 344 | 291 | 305 | 343 |
| Ohio | 17,840 | 9,823 | 5,006 | 4,408 | 4,153 | 8,743 |
| Oklahoma | 3,390 | 2,126 | 1,659 | 1,626 | 1,649 | 1,517 |
| Oregon | 2,016 | 1,363 | 1,023 | 912 | 1,007 | 1,067 |
| Pennsylvania | 14,246 | 9,659 | 5,298 | 4,356 | 4,680 | 5,554 |
| Rhode Island | 1,212 | 637 | 460 | 399 | 431 | 537 |
| South Carolina | 1,771 | 1,176 | 1,904 | 1,019 | 997 | 1,214 |
| South Dakota | 1,022 | 549 | 334 | 250 | 246 | 283 |
| Tennessee | 5,216 | 2,846 | 2,120 | 2,064 | 2,090 | ^R 2,496 |
| Texas | 18,448 | 14,187 | 15,035 | 15,234 | 15,315 | 11,993 |
| Utah | 3,187 | 2,020 | 1,124 | 943 | 927 | 946 |
| Vermont | 282 | 184 | 108 | 80 | 80 | 108 |
| Virginia | 5,455 | 3,489 | 2,392 | 2,449 | 2,370 | 2,681 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 2,904 | 1,576 | 1,195 | 1,292 | 1,044 | 1,181 |
| Wisconsin | 10,586 | 5,664 | 2,901 | 2,961 | 2,769 | 2,868 |
| Wyoming | 1,065 | 633 | 372 | 345 | 943 | 633 |
| Total | ^R 317,559 | 193,542 | ^R 145,900 | ^R 144,490 | ^R 149,584 | 160,656 |

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | 1996 |
|----------------------------|----------------------|----------------------|----------------------|----------------------|---------------------|-----------|
| | May | April | March | February | January | Total |
| Alabama | 2,020 | 2,194 | 2,613 | 4,063 | 4,224 | 29,002 |
| Alaska | 1,806 | 2,215 | 2,848 | 2,518 | 3,320 | 27,315 |
| Arizona | 2,141 | 2,563 | 3,153 | 3,525 | 3,858 | 29,102 |
| Arkansas | 1,653 | 2,172 | 3,149 | 4,730 | 5,123 | 31,009 |
| California | 18,994 | 21,091 | 23,612 | 26,107 | 25,816 | 236,332 |
| Colorado | ^R 4,699 | ^R 6,240 | ^R 8,111 | ^R 9,927 | ^R 10,165 | 68,931 |
| Connecticut | 2,586 | 4,055 | 4,797 | 5,346 | 5,792 | 39,818 |
| Delaware | 420 | 628 | 858 | 1,046 | 1,025 | 6,695 |
| District of Columbia | 1,373 | ^R 1,739 | 2,183 | 2,316 | 2,335 | 16,353 |
| Florida | 2,902 | 3,017 | 3,307 | 3,862 | 4,126 | 41,898 |
| Georgia | 3,216 | 4,152 | 4,864 | 7,924 | 8,582 | 61,377 |
| Hawaii | 166 | 174 | 180 | 188 | 188 | 2,132 |
| Idaho | 686 | 1,041 | 1,345 | 1,784 | 1,816 | 11,540 |
| Illinois | 10,664 | 16,797 | 23,444 | 30,059 | 37,125 | 218,086 |
| Indiana | 9,965 | 7,610 | 10,465 | 12,807 | 15,715 | 87,568 |
| Iowa | 2,376 | 3,976 | 5,758 | 7,056 | 10,137 | 54,576 |
| Kansas | 2,798 | 4,004 | 6,012 | 8,130 | 7,190 | 57,231 |
| Kentucky | 1,890 | 2,913 | 4,093 | 5,483 | 7,206 | 40,980 |
| Louisiana | 1,492 | 1,837 | 2,463 | 3,574 | 3,575 | 25,769 |
| Maine | 152 | 231 | 378 | 348 | 433 | 2,566 |
| Maryland | 2,735 | 4,420 | 5,563 | 6,380 | 7,080 | 45,891 |
| Massachusetts | 6,266 | 9,068 | 11,630 | 13,854 | 13,824 | 96,192 |
| Michigan | 13,205 | 19,207 | 25,654 | 28,433 | 32,603 | 201,431 |
| Minnesota | 5,155 | 8,361 | 12,000 | 13,403 | 15,580 | 98,580 |
| Mississippi | 1,237 | 1,533 | 2,106 | 3,062 | 3,226 | 22,230 |
| Missouri | 3,569 | 5,786 | 7,970 | 12,828 | 12,556 | 72,833 |
| Montana | 714 | 1,342 | 1,652 | 1,947 | 2,558 | 14,836 |
| Nebraska | 2,430 | 3,190 | 4,117 | 4,845 | 5,907 | 40,833 |
| Nevada | 1,666 | 1,896 | 2,442 | 2,629 | 2,711 | 20,469 |
| New Hampshire | 472 | 739 | 954 | 1,079 | 1,073 | 7,099 |
| New Jersey | 9,816 | 13,645 | 21,543 | 14,211 | 21,897 | 150,432 |
| New Mexico | 1,766 | 1,862 | 2,935 | 3,938 | 4,151 | 26,544 |
| New York | 25,257 | 31,231 | 36,768 | 41,464 | 39,099 | 253,129 |
| North Carolina | 2,401 | 2,973 | 3,806 | 5,850 | 6,059 | 40,467 |
| North Dakota | 619 | 1,095 | 1,408 | 1,879 | 1,982 | 12,165 |
| Ohio | 11,339 | 15,190 | 23,205 | 28,174 | 31,783 | 190,195 |
| Oklahoma | 2,617 | 3,571 | 5,041 | 7,183 | 7,724 | 46,284 |
| Oregon | 1,574 | 2,304 | 3,076 | 3,686 | 4,011 | 25,622 |
| Pennsylvania | 10,354 | 13,007 | 17,888 | 19,583 | 22,506 | 154,677 |
| Rhode Island | 892 | 1,144 | 1,740 | 1,744 | 1,694 | 12,301 |
| South Carolina | 1,278 | 1,222 | 1,816 | 2,409 | 2,397 | 20,329 |
| South Dakota | 604 | 940 | 1,235 | 1,607 | 2,045 | 11,602 |
| Tennessee | 3,242 | 4,276 | ^R 6,422 | 9,488 | 9,084 | 58,513 |
| Texas | 12,860 | 13,790 | 19,967 | 21,284 | 25,238 | 178,573 |
| Utah | 1,268 | 2,675 | 3,363 | 4,473 | 5,051 | 29,666 |
| Vermont | 160 | 296 | 429 | 444 | 477 | 2,825 |
| Virginia | 4,381 | 5,762 | 7,212 | 8,021 | 8,670 | 59,294 |
| Washington | 4,098 | 4,100 | 5,627 | 6,275 | 7,474 | 48,252 |
| West Virginia | 1,693 | 2,222 | 2,816 | 3,652 | 3,903 | 28,030 |
| Wisconsin | 5,507 | 7,225 | 10,989 | 12,071 | 15,922 | 93,868 |
| Wyoming | 1,065 | 1,445 | 1,593 | 1,423 | 1,681 | 9,735 |
| Total | ^R 212,242 | ^R 274,168 | ^R 366,599 | ^R 428,114 | 477,715 | 3,161,176 |

^R = Revised Data.

^{NA} = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1996 may not equal the sum of the twelve months. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998
(Million Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | |
|----------------------------|------------------|------------------|------------------|----------------|----------------------------|----------------------------|
| | | | | July | June | May |
| Alabama | 120,357 | 117,312 | 116,671 | 16,167 | 16,737 | 17,308 |
| Alaska | 44,586 | 44,476 | 42,462 | 6,542 | 6,251 | 5,854 |
| Arizona | 16,107 | 15,549 | 15,273 | 2,307 | 2,034 | 2,313 |
| Arkansas | 85,843 | 85,594 | 82,256 | 11,321 | 11,102 | 11,839 |
| California | 413,365 | 411,959 | 395,221 | 59,188 | 53,880 | 66,080 |
| Colorado | NA | 44,059 | 49,338 | NA | NA | 5,649 |
| Connecticut | 19,557 | 20,701 | 17,795 | 2,271 | 2,225 | 2,546 |
| Delaware | 9,385 | 8,607 | 8,244 | 1,097 | 1,160 | 1,256 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 83,170 | 78,189 | 80,517 | 11,384 | 11,469 | 11,765 |
| Georgia | 91,863 | 106,473 | 103,393 | 12,768 | 13,149 | 12,501 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho ^a | 20,888 | 20,468 | 20,705 | 2,620 | 2,672 | 2,593 |
| Illinois | 181,346 | 190,676 | 190,827 | 20,256 | 20,738 | 22,462 |
| Indiana | NA | 162,173 | 175,405 | NA | ^R 23,465 | 23,136 |
| Iowa | 66,607 | 63,510 | 66,261 | 7,647 | 7,574 | ^R 8,097 |
| Kansas | 63,898 | 68,938 | 65,753 | 11,626 | 9,583 | 8,483 |
| Kentucky | 54,364 | 56,522 | 55,727 | 6,738 | 6,787 | 7,022 |
| Louisiana | 547,292 | 569,842 | 607,461 | 80,693 | 73,666 | 75,577 |
| Maine | 1,152 | 1,371 | 1,183 | 153 | ^R 184 | ^R 168 |
| Maryland | 51,507 | 33,623 | 28,500 | 3,779 | 3,622 | 4,047 |
| Massachusetts | NA | 68,374 | 55,542 | 7,812 | NA | ^R 7,635 |
| Michigan | 190,192 | 195,298 | 211,258 | 18,191 | 22,705 | 25,012 |
| Minnesota | 59,353 | 62,195 | 57,506 | 7,803 | 7,847 | 6,901 |
| Mississippi | NA | 45,407 | 47,882 | NA | NA | NA |
| Missouri | 39,816 | 43,098 | 43,481 | 4,672 | 4,646 | 4,830 |
| Montana | 10,481 | 10,053 | 10,085 | 1,215 | 1,687 | ^R 1,244 |
| Nebraska | 23,560 | 19,493 | 21,090 | 5,853 | 3,076 | 2,662 |
| Nevada | 15,449 | 16,090 | 18,978 | 2,458 | 2,337 | 2,455 |
| New Hampshire | 3,245 | 3,432 | 2,727 | 438 | ^R 431 | ^R 473 |
| New Jersey | 116,292 | 121,149 | 114,821 | 15,601 | 14,727 | 15,723 |
| New Mexico | 13,885 | 14,867 | 13,486 | 2,201 | 1,979 | 2,027 |
| New York | NA | 194,109 | 186,796 | NA | NA | NA |
| North Carolina | 68,410 | 68,005 | 57,610 | 8,561 | 9,042 | 9,439 |
| North Dakota | 6,145 | 6,970 | 4,371 | 729 | 771 | 773 |
| Ohio | NA | 205,351 | 209,942 | NA | 24,008 | 25,977 |
| Oklahoma | 111,338 | 123,739 | 115,385 | 16,672 | 16,280 | 13,793 |
| Oregon | NA | 47,504 | 46,233 | NA | 6,767 | 7,015 |
| Pennsylvania | 137,631 | 142,202 | 144,607 | 17,111 | 17,926 | 18,161 |
| Rhode Island | NA | 15,703 | 11,176 | 2,121 | 2,042 | NA |
| South Carolina | 60,843 | 60,134 | 53,167 | 7,613 | 8,464 | 8,713 |
| South Dakota | 3,238 | 4,342 | 4,352 | 416 | 307 | 697 |
| Tennessee | NA | NA | 71,164 | 11,939 | 11,714 | 11,710 |
| Texas | 1,117,786 | 1,193,994 | 1,245,368 | 181,812 | 150,210 | 154,540 |
| Utah | 28,338 | 25,564 | 24,455 | 3,424 | 3,678 | 3,668 |
| Vermont | 1,254 | 1,320 | 1,071 | 153 | 152 | 164 |
| Virginia | 52,565 | 47,879 | 48,746 | 9,466 | 8,290 | 6,375 |
| Washington | NA | NA | 62,905 | NA | NA | NA |
| West Virginia | NA | 29,864 | 28,298 | NA | NA | NA |
| Wisconsin | 82,791 | 91,975 | 88,379 | 7,967 | 9,204 | 9,508 |
| Wyoming | NA | 27,729 | 28,637 | NA | 4,119 | 4,293 |
| Total | 4,962,940 | 5,129,804 | 5,152,510 | 683,162 | ^R640,744 | ^R667,649 |

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1998 | | | | 1997 | |
|----------------------------|---------|---------|----------|---------|------------------------|----------------------|
| | April | March | February | January | Total | December |
| Alabama | 17,013 | 18,208 | 16,441 | 18,483 | ^R 204,114 | 18,755 |
| Alaska | 6,455 | 6,878 | 6,152 | 6,454 | 73,863 | 6,876 |
| Arizona | 2,281 | 2,413 | 2,226 | 2,533 | 27,889 | 2,688 |
| Arkansas | 12,765 | 13,363 | 12,114 | 13,339 | 147,046 | 13,202 |
| California | 55,492 | 47,185 | 67,501 | 64,039 | 731,180 | 63,859 |
| Colorado | 6,278 | 6,323 | 6,388 | 6,949 | 73,846 | ^R 7,088 |
| Connecticut | 2,782 | 3,183 | 3,149 | 3,402 | 34,461 | 3,422 |
| Delaware | 1,348 | 1,477 | 1,443 | 1,604 | 14,841 | 1,580 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 11,608 | 12,960 | 11,053 | 12,931 | 132,636 | 11,487 |
| Georgia | 12,866 | 13,434 | 13,335 | 13,808 | 170,988 | 12,800 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho ^a | 3,047 | 3,130 | 3,482 | 3,344 | 35,089 | 3,159 |
| Illinois | 26,752 | 29,211 | 28,719 | 33,208 | 316,352 | 30,515 |
| Indiana | NA | 27,772 | 25,847 | 28,857 | 282,466 | 28,684 |
| Iowa | 10,660 | 11,792 | 9,516 | 11,321 | 111,430 | 10,686 |
| Kansas | 8,011 | 8,686 | 7,811 | 9,699 | ^R 112,652 | ^R 10,938 |
| Kentucky | 7,543 | 8,884 | 7,550 | 9,839 | 97,555 | 9,442 |
| Louisiana | 77,970 | 81,959 | 74,500 | 82,928 | 983,217 | 81,573 |
| Maine | 122 | 159 | 164 | 202 | 2,525 | 216 |
| Maryland | 4,407 | 11,276 | 10,677 | 13,699 | 61,353 | 13,713 |
| Massachusetts | 8,209 | 8,759 | 8,443 | 9,923 | ^R 110,542 | 9,185 |
| Michigan | 26,873 | 32,052 | 31,380 | 33,980 | 326,414 | 31,551 |
| Minnesota | 8,548 | 9,039 | 10,044 | 9,171 | 107,280 | 10,111 |
| Mississippi | NA | NA | 6,814 | NA | 77,576 | 7,043 |
| Missouri | 5,473 | 6,788 | 6,360 | 7,047 | 69,623 | 6,701 |
| Montana | 1,521 | 1,481 | 1,449 | 1,884 | 18,122 | 2,064 |
| Nebraska | 2,543 | 3,043 | 2,902 | 3,481 | 32,514 | 3,723 |
| Nevada | 2,453 | 2,174 | 1,979 | 1,593 | 27,795 | 2,213 |
| New Hampshire | 457 | 468 | 498 | 481 | 5,732 | 468 |
| New Jersey | 16,455 | 17,152 | 17,655 | 18,980 | ^R 204,854 | 17,569 |
| New Mexico | 2,049 | 1,822 | 1,823 | 1,984 | 24,853 | 2,146 |
| New York | 22,542 | 26,423 | NA | NA | ^R 320,796 | 27,393 |
| North Carolina | 9,366 | 10,846 | 10,404 | 10,752 | ^R 115,548 | 10,426 |
| North Dakota | 898 | 1,017 | 948 | 1,010 | 11,151 | 929 |
| Ohio | 29,362 | 32,257 | 31,779 | 35,912 | 343,764 | 32,492 |
| Oklahoma | 14,388 | 16,578 | 17,131 | 16,497 | 205,823 | 16,600 |
| Oregon | NA | NA | 8,744 | 9,760 | ^R 90,667 | 9,760 |
| Pennsylvania | 19,808 | 21,699 | 20,811 | 22,115 | 235,913 | 20,983 |
| Rhode Island | 2,078 | 2,117 | 2,011 | 2,173 | 24,470 | 2,179 |
| South Carolina | 8,159 | 9,121 | 9,129 | 9,645 | 103,578 | 9,344 |
| South Dakota | 279 | 474 | 500 | 565 | 6,961 | 606 |
| Tennessee | 12,020 | 14,188 | 12,628 | NA | NA | 12,466 |
| Texas | 153,724 | 159,503 | 148,544 | 169,452 | NA | 174,230 |
| Utah | 4,480 | 4,273 | 4,080 | 4,735 | 44,290 | 4,504 |
| Vermont | 164 | 194 | 205 | 223 | 2,337 | 235 |
| Virginia | 7,746 | 6,497 | 7,444 | 6,747 | 83,965 | 7,773 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 4,099 | 4,553 | 1,696 | 4,510 | 51,114 | 4,610 |
| Wisconsin | 11,658 | 14,819 | 13,298 | 16,337 | 152,545 | 14,848 |
| Wyoming | 3,344 | NA | NA | 5,156 | 47,095 | 4,102 |
| Total | 693,905 | 748,773 | 730,160 | 798,548 | ^R 8,745,481 | ^R 789,696 |

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| | November | October | September | August | July | June |
| Alabama | 17,910 | 17,161 | 16,150 | 16,827 | ^R 14,833 | 16,253 |
| Alaska | 5,571 | 6,313 | 4,233 | 6,395 | 5,968 | 5,915 |
| Arizona | 2,360 | 2,335 | 2,582 | 2,375 | 2,246 | 2,170 |
| Arkansas | 12,751 | 12,471 | 11,035 | 11,994 | 11,785 | 11,598 |
| California | 61,447 | 60,283 | 65,816 | 67,815 | 65,810 | 58,874 |
| Colorado | ^R 6,470 | 5,148 | 4,680 | 6,402 | 4,907 | 6,030 |
| Connecticut | 2,838 | 2,588 | 2,362 | 2,550 | 2,440 | 2,441 |
| Delaware | 1,327 | 1,202 | 1,107 | 1,017 | 1,106 | 1,156 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 10,945 | 10,925 | 10,734 | 10,355 | 11,071 | 10,526 |
| Georgia | 12,468 | 12,817 | 12,855 | 13,575 | 12,874 | 12,448 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho ^a | 3,109 | 3,226 | 2,756 | 2,371 | 2,723 | 2,724 |
| Illinois | 27,702 | 24,750 | 22,004 | 20,706 | 22,431 | 22,272 |
| Indiana | 26,650 | 23,332 | 21,152 | 20,475 | 19,853 | 17,289 |
| Iowa | 10,199 | 9,886 | 8,468 | 8,680 | 7,768 | 7,823 |
| Kansas | 8,587 | 8,210 | 7,655 | 8,324 | 12,351 | 8,854 |
| Kentucky | 8,835 | 8,625 | 7,052 | 7,079 | 6,526 | 6,669 |
| Louisiana | 80,707 | 84,368 | 82,780 | 83,946 | 80,979 | 82,324 |
| Maine | 296 | 243 | 208 | 191 | 178 | 197 |
| Maryland | 263 | 4,308 | 4,427 | 5,019 | 4,767 | 5,126 |
| Massachusetts | 8,316 | 8,095 | 7,625 | 8,946 | 8,930 | 10,487 |
| Michigan | 27,735 | 24,470 | 23,655 | 23,705 | 16,029 | 25,327 |
| Minnesota | 10,179 | 9,139 | 7,244 | 8,412 | 8,176 | 7,733 |
| Mississippi | 7,238 | 6,572 | ^R 5,248 | ^R 6,069 | ^R 6,271 | 6,054 |
| Missouri | 6,057 | 5,106 | 4,322 | 4,338 | 4,492 | 4,810 |
| Montana | 1,850 | 1,612 | 1,290 | 1,253 | 1,093 | 1,176 |
| Nebraska | 1,923 | 2,697 | 2,050 | 2,627 | 1,207 | 2,484 |
| Nevada | 2,214 | 2,421 | 2,426 | 2,430 | 2,294 | 2,272 |
| New Hampshire | 442 | 499 | — | 451 | 422 | 434 |
| New Jersey | 15,519 | 16,683 | 16,219 | 17,715 | 16,450 | 15,822 |
| New Mexico | 2,019 | 1,881 | 1,982 | 1,957 | 2,097 | 2,041 |
| New York | 27,674 | 21,794 | 26,738 | ^R 23,087 | ^R 24,781 | 25,785 |
| North Carolina | 9,608 | 9,568 | 9,017 | ^R 8,924 | 9,102 | 9,195 |
| North Dakota | 869 | 812 | 754 | 817 | 625 | 707 |
| Ohio | 30,107 | 26,986 | 24,750 | 24,078 | 22,725 | 29,566 |
| Oklahoma | 15,704 | 15,473 | 16,687 | 17,620 | 16,618 | 17,536 |
| Oregon | 8,798 | ^R 8,250 | 8,041 | 8,313 | 7,289 | 5,557 |
| Pennsylvania | 21,509 | 17,230 | 16,783 | 17,206 | 16,881 | 16,359 |
| Rhode Island | 2,148 | 1,509 | 1,440 | 1,491 | 2,159 | 2,265 |
| South Carolina | 8,702 | 8,239 | 8,883 | 8,277 | 7,943 | 8,451 |
| South Dakota | 618 | 425 | 470 | 499 | 322 | 492 |
| Tennessee | ^R 11,754 | 11,242 | ^R 10,682 | 13,153 | 10,831 | ^R 11,422 |
| Texas | 162,492 | 165,162 | NA | 172,857 | 166,725 | 165,999 |
| Utah | 4,129 | 4,228 | 2,497 | 3,369 | 3,482 | 3,408 |
| Vermont | 226 | 224 | 176 | 157 | 144 | 146 |
| Virginia | 6,522 | 5,914 | 6,951 | 8,927 | 8,064 | 5,864 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 4,353 | 4,150 | 4,032 | 4,106 | 3,991 | 3,905 |
| Wisconsin | 14,202 | 11,931 | 10,069 | 9,521 | 9,041 | 9,458 |
| Wyoming | 4,328 | 3,966 | 3,299 | 3,672 | 3,234 | 3,858 |
| Total | ^R 726,499 | ^R 704,297 | ^R 684,512 | ^R 710,674 | ^R 680,132 | 687,309 |

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | 1996 |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------|
| | May | April | March | February | January | Total |
| Alabama | 17,284 | 18,182 | 16,885 | 16,341 | 17,534 | 201,414 |
| Alaska | 5,619 | 6,443 | 6,993 | 6,448 | 7,090 | 75,616 |
| Arizona | 2,332 | 2,089 | 2,351 | 2,132 | 2,228 | 26,979 |
| Arkansas | 11,903 | 12,008 | 12,361 | 12,195 | 13,744 | 141,300 |
| California | 58,119 | 57,480 | 57,065 | 55,756 | 58,855 | 693,539 |
| Colorado | 6,225 | 5,708 | ^R 7,833 | ^R 6,664 | 6,691 | 83,640 |
| Connecticut | 2,870 | 3,308 | 3,521 | 3,031 | 3,088 | 32,451 |
| Delaware | 1,308 | 1,354 | 1,249 | 1,192 | 1,243 | 14,164 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 11,522 | 11,739 | 11,318 | 10,645 | 11,369 | 136,722 |
| Georgia | 16,828 | 16,740 | 16,153 | 16,385 | 15,044 | 181,768 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho ^a | 2,673 | 3,180 | 3,200 | 2,802 | 3,166 | 34,577 |
| Illinois | 25,139 | 26,550 | 29,761 | 31,673 | 32,850 | 322,275 |
| Indiana | 19,839 | 23,608 | 26,703 | 25,597 | 29,284 | 289,219 |
| Iowa | 8,516 | 9,081 | 9,800 | 9,785 | 10,738 | 113,995 |
| Kansas | ^R 8,666 | ^R 9,322 | ^R 9,353 | ^R 8,635 | ^R 11,757 | 110,294 |
| Kentucky | 7,704 | 7,769 | 8,408 | 8,964 | 10,483 | 94,481 |
| Louisiana | 83,780 | 82,622 | 78,729 | 78,331 | 83,077 | 1,048,432 |
| Maine | 226 | 247 | 182 | 162 | 180 | 2,190 |
| Maryland | 4,734 | 4,495 | 5,528 | 4,661 | 4,312 | 50,022 |
| Massachusetts | ^R 8,051 | 10,392 | 10,520 | 10,375 | 9,619 | 100,015 |
| Michigan | 27,343 | 27,854 | 32,629 | 32,134 | 33,982 | 347,043 |
| Minnesota | 7,622 | 8,544 | 10,448 | 10,202 | 9,471 | 102,471 |
| Mississippi | 5,804 | 6,535 | 6,721 | 6,686 | 7,337 | 80,887 |
| Missouri | 4,987 | 7,149 | 5,099 | 9,463 | 7,097 | 71,533 |
| Montana | 1,365 | 1,178 | 1,695 | 1,634 | 1,913 | 18,103 |
| Nebraska | 2,580 | 3,404 | 3,426 | 3,257 | 3,135 | 36,125 |
| Nevada | 2,528 | 2,117 | 2,373 | 2,144 | 2,362 | 32,606 |
| New Hampshire | 553 | 632 | 570 | 411 | 411 | 4,916 |
| New Jersey | 16,773 | 16,587 | 18,406 | ^R 17,894 | 19,217 | 200,933 |
| New Mexico | 2,123 | 1,935 | 1,944 | 2,119 | 2,608 | 22,858 |
| New York | 25,745 | 27,455 | 30,706 | 31,100 | 28,538 | 322,661 |
| North Carolina | 9,687 | 10,561 | 10,341 | 9,950 | 9,168 | 104,124 |
| North Dakota | 911 | 867 | 1,574 | 1,253 | 1,033 | 7,911 |
| Ohio | 26,644 | 27,049 | 30,688 | 32,631 | 36,048 | 347,149 |
| Oklahoma | 17,339 | 17,335 | 17,207 | 18,790 | 18,914 | 201,024 |
| Oregon | ^R 6,076 | 6,408 | 6,846 | 6,722 | 8,606 | 87,754 |
| Pennsylvania | 18,780 | 21,556 | 22,001 | 23,241 | 23,384 | 243,499 |
| Rhode Island | 2,401 | 2,514 | 2,241 | 1,993 | 2,131 | 25,829 |
| South Carolina | 9,122 | 9,260 | 9,152 | 8,054 | 8,152 | 95,493 |
| South Dakota | 531 | 624 | 705 | 792 | 877 | 7,182 |
| Tennessee | 11,767 | 12,548 | NA | 12,789 | 11,698 | 126,545 |
| Texas | 166,759 | 164,032 | 182,742 | 160,683 | 187,054 | 2,138,155 |
| Utah | 3,633 | 3,757 | 3,777 | 3,698 | 3,809 | 42,213 |
| Vermont | 218 | 200 | 234 | 197 | 181 | 1,953 |
| Virginia | 7,452 | 6,449 | 4,162 | 8,056 | 7,833 | 84,357 |
| Washington | 8,513 | 8,189 | 9,259 | 9,170 | 9,112 | 114,236 |
| West Virginia | 4,439 | 6,731 | 2,577 | 3,836 | 4,386 | 49,997 |
| Wisconsin | 11,310 | 13,597 | 15,650 | 14,948 | 17,970 | 149,517 |
| Wyoming | 4,125 | 3,864 | 3,795 | 3,792 | 5,060 | 50,253 |
| Total | ^R 710,469 | ^R 731,246 | ^R 767,399 | ^R 749,412 | ^R 803,836 | 8,870,422 |

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components. Deliveries for total year 1995 in Idaho do not equal the sum of the twelve months.

^R = Revised Data.

NA = Not Available.

— = Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 18. Natural Gas Deliveries to Electric Utility^a Consumers,
by State, 1996-1998**
(Million Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | |
|----------------------------|------------------|------------------|------------------|----------------|----------------|----------------|
| | | | | July | June | May |
| Alabama | 13,877 | 5,146 | 3,691 | 5,072 | 4,764 | 2,844 |
| Alaska | 16,467 | 20,389 | 18,325 | 2,154 | 2,093 | 2,411 |
| Arizona | 13,061 | 10,773 | 9,325 | 6,792 | 1,986 | 674 |
| Arkansas | 23,604 | 13,191 | 22,628 | 7,084 | 6,676 | 5,479 |
| California | 141,566 | 188,759 | 155,994 | 26,022 | 15,338 | 13,745 |
| Colorado | 5,130 | 2,677 | 2,709 | 1,739 | 901 | 656 |
| Connecticut | 6,102 | 8,704 | 3,334 | 1,582 | 1,709 | 1,386 |
| Delaware | 5,096 | 12,093 | 12,884 | 1,648 | 1,196 | 900 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 160,594 | 179,177 | 156,877 | 31,976 | 33,192 | 26,827 |
| Georgia | 11,600 | 3,501 | 3,711 | 5,455 | 4,958 | 746 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 38,566 | 25,704 | 15,811 | 7,707 | 7,387 | 7,068 |
| Indiana | 5,971 | 3,645 | 2,927 | 2,084 | 1,878 | 1,187 |
| Iowa | 3,446 | 2,604 | 2,236 | 965 | 774 | 697 |
| Kansas | 19,086 | 13,099 | 14,442 | 8,026 | 5,333 | 3,207 |
| Kentucky | 3,230 | 1,154 | 1,221 | 650 | 950 | 1,017 |
| Louisiana | 173,618 | 158,831 | 151,444 | 43,685 | 38,810 | 31,812 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 5,673 | 8,007 | 4,054 | 2,186 | 1,396 | 932 |
| Massachusetts | 12,946 | 32,346 | 15,547 | 1,407 | 2,169 | 2,666 |
| Michigan | 26,973 | 18,109 | 17,749 | 4,573 | 5,093 | 4,212 |
| Minnesota | 3,904 | 4,506 | 2,784 | 1,410 | 994 | 804 |
| Mississippi | 44,423 | 38,954 | 45,741 | 10,889 | 10,630 | 8,717 |
| Missouri | 7,732 | 4,295 | 3,539 | 3,753 | 2,440 | 952 |
| Montana | 251 | 256 | 213 | 80 | 26 | 89 |
| Nebraska | 2,691 | 1,564 | 1,678 | 1,046 | 719 | 634 |
| Nevada | 28,136 | 27,909 | 26,436 | 8,189 | 4,036 | 3,761 |
| New Hampshire | 98 | 331 | 2 | 37 | 35 | 0 |
| New Jersey | 19,498 | 19,959 | 15,222 | 7,107 | 4,303 | 3,926 |
| New Mexico | 23,444 | 18,751 | 16,567 | 4,218 | 4,019 | 4,948 |
| New York | 118,785 | 124,048 | 66,899 | 29,304 | 24,084 | 18,926 |
| North Carolina | 6,971 | 2,795 | 1,995 | 2,042 | 3,789 | 1,026 |
| North Dakota | 0 | 1 | 1 | 0 | 0 | 0 |
| Ohio | 4,107 | 2,149 | 1,597 | 1,306 | 1,102 | 1,005 |
| Oklahoma | 90,545 | 64,582 | 80,109 | 26,857 | 20,792 | 13,893 |
| Oregon | 10,192 | 859 | 2,339 | 3,008 | 835 | 176 |
| Pennsylvania | 5,190 | 5,150 | 2,725 | 1,409 | 2,013 | 621 |
| Rhode Island | 13,342 | 14,774 | 13,378 | 2,238 | 1,453 | 1,943 |
| South Carolina | 3,526 | 1,708 | 734 | 1,239 | 1,413 | 687 |
| South Dakota | 1,452 | 1,195 | 351 | 627 | 315 | 366 |
| Tennessee | 3,041 | 1,098 | 252 | 1,407 | 1,202 | 432 |
| Texas | 711,652 | 555,481 | 642,813 | 174,175 | 153,171 | 117,366 |
| Utah | 1,866 | 1,592 | 1,599 | 1,000 | 141 | 138 |
| Vermont | 154 | 20 | 10 | 15 | 7 | 12 |
| Virginia | 10,608 | 7,423 | 6,021 | 2,970 | 2,254 | 2,158 |
| Washington | 1,438 | 125 | 601 | 621 | 33 | 14 |
| West Virginia | 230 | 164 | 118 | 53 | 46 | 30 |
| Wisconsin | 10,177 | 12,570 | 3,289 | 3,064 | 2,557 | 2,282 |
| Wyoming | 238 | 52 | 51 | 5 | 10 | 6 |
| Total | 1,810,301 | 1,620,221 | 1,551,971 | 448,875 | 379,024 | 293,378 |

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility^a Consumers,
by State, 1996-1998**
(Million Cubic Feet) — Continued

| State | 1998 | | | | 1997 | |
|----------------------------|----------------|----------------|----------------|----------------|------------------|----------------|
| | April | March | February | January | Total | December |
| Alabama | 296 | 383 | 157 | 362 | 9,996 | 87 |
| Alaska | 2,266 | 2,382 | 2,307 | 2,852 | 33,511 | 3,023 |
| Arizona | 1,127 | 718 | 804 | 962 | 23,384 | 752 |
| Arkansas | 2,283 | 1,521 | 272 | 289 | 24,802 | 294 |
| California | 18,055 | 23,374 | 18,278 | 26,755 | 377,967 | 27,218 |
| Colorado | 586 | 416 | 451 | 381 | 5,537 | 451 |
| Connecticut | 157 | 23 | 109 | 1,136 | 16,762 | 569 |
| Delaware | 548 | 475 | 74 | 256 | 16,090 | 700 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 15,860 | 18,020 | 15,637 | 19,082 | 296,940 | 21,716 |
| Georgia | 98 | 183 | 57 | 102 | 7,341 | 49 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 4,835 | 4,022 | 3,535 | 4,014 | 44,606 | 5,019 |
| Indiana | 205 | 426 | 104 | 87 | 5,141 | 152 |
| Iowa | 298 | 245 | 202 | 264 | 4,123 | 207 |
| Kansas | 594 | 935 | 446 | 545 | 25,822 | 1,993 |
| Kentucky | 107 | 282 | 138 | 86 | 2,194 | 158 |
| Louisiana | 18,082 | 16,198 | 9,860 | 15,171 | 277,431 | 16,810 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 373 | 371 | 223 | 191 | 11,004 | 209 |
| Massachusetts | 1,579 | 1,565 | 1,320 | 2,241 | 51,486 | 2,419 |
| Michigan | 3,602 | 3,758 | 2,496 | 3,239 | 33,288 | 3,028 |
| Minnesota | 268 | 204 | 105 | 119 | 6,097 | 112 |
| Mississippi | 4,400 | 3,921 | 2,775 | 3,092 | 73,081 | 4,576 |
| Missouri | 210 | 161 | 80 | 135 | 7,464 | 311 |
| Montana | 15 | 39 | 0 | 1 | 420 | 21 |
| Nebraska | 176 | 59 | 21 | 37 | 2,656 | 34 |
| Nevada | 3,549 | 2,446 | 3,128 | 3,027 | 51,776 | 3,651 |
| New Hampshire | 0 | 0 | 26 | 0 | 564 | 31 |
| New Jersey | 1,380 | 1,835 | 419 | 528 | 29,528 | 553 |
| New Mexico | 3,448 | 3,092 | 1,802 | 1,918 | 33,376 | 1,999 |
| New York | 9,076 | 10,397 | 10,274 | 16,724 | 217,493 | 14,715 |
| North Carolina | 12 | 91 | 1 | 11 | 4,511 | 3 |
| North Dakota | 0 | 0 | 0 | 0 | 1 | 0 |
| Ohio | 178 | 307 | 96 | 114 | 3,485 | 122 |
| Oklahoma | 7,944 | 9,394 | 5,205 | 6,460 | 128,822 | 11,407 |
| Oregon | 2,266 | 1,335 | 1,102 | 1,471 | 10,686 | 1,641 |
| Pennsylvania | 260 | 406 | 257 | 225 | 7,368 | 365 |
| Rhode Island | 1,606 | 1,889 | 1,599 | 2,613 | 27,162 | 2,604 |
| South Carolina | 37 | 106 | 11 | 33 | 2,731 | 35 |
| South Dakota | 33 | 42 | 6 | 63 | 1,730 | 83 |
| Tennessee | 0 | 0 | 0 | 0 | 1,635 | 0 |
| Texas | 83,043 | 80,475 | 49,071 | 54,351 | 1,056,582 | 69,623 |
| Utah | 135 | 156 | 144 | 153 | 4,079 | 178 |
| Vermont | 6 | 3 | 47 | 65 | 36 | 4 |
| Virginia | 699 | 1,197 | 476 | 853 | 11,571 | 918 |
| Washington | 152 | 121 | 5 | 492 | 2,619 | 187 |
| West Virginia | 22 | 29 | 29 | 21 | 219 | 11 |
| Wisconsin | 395 | 1,108 | 353 | 418 | 15,772 | 467 |
| Wyoming | 8 | 3 | 200 | 7 | 95 | 15 |
| Total | 190,266 | 194,113 | 133,700 | 170,946 | 2,968,985 | 198,522 |

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility^a Consumers,
by State, 1996-1998**
(Million Cubic Feet) — Continued

| State | 1997 | | | | | |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | November | October | September | August | July | June |
| Alabama | 296 | 846 | 1,247 | 2,373 | 2,898 | 930 |
| Alaska | 2,676 | 2,689 | 2,296 | 2,439 | 2,734 | 2,579 |
| Arizona | 400 | 1,544 | 5,106 | 4,809 | 4,114 | 1,931 |
| Arkansas | 375 | 2,295 | 3,377 | 5,270 | 7,484 | 3,443 |
| California | 22,372 | 35,085 | 56,405 | 48,127 | 43,831 | 26,461 |
| Colorado | 385 | 642 | 667 | 716 | 703 | 337 |
| Connecticut | 1,485 | 1,873 | 1,769 | 2,362 | 2,474 | 1,400 |
| Delaware | 682 | 356 | 667 | 1,592 | 2,000 | 1,096 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 14,283 | 21,226 | 26,875 | 33,664 | 33,336 | 31,395 |
| Georgia | 124 | 308 | 1,160 | 2,200 | 2,592 | 440 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 3,906 | 3,796 | 2,374 | 3,806 | 7,977 | 4,586 |
| Indiana | 234 | 312 | 268 | 530 | 1,863 | 796 |
| Iowa | 251 | 457 | 234 | 371 | 838 | 393 |
| Kansas | 2,480 | 2,646 | 2,113 | 3,491 | 6,349 | 3,142 |
| Kentucky | 190 | 201 | 181 | 312 | 525 | 170 |
| Louisiana | 14,557 | 22,089 | 30,559 | 34,584 | 39,937 | 29,959 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 364 | 750 | 623 | 1,051 | 3,379 | 1,856 |
| Massachusetts | 3,186 | 3,140 | 4,800 | 5,595 | 6,031 | 6,223 |
| Michigan | 3,135 | 3,243 | 2,921 | 2,851 | 3,675 | 2,753 |
| Minnesota | 139 | 382 | 289 | 669 | 1,134 | 684 |
| Mississippi | 4,062 | 5,433 | 8,119 | 11,937 | 14,001 | 8,382 |
| Missouri | 340 | 557 | 749 | 1,212 | 2,789 | 1,022 |
| Montana | 30 | 40 | 27 | 46 | 115 | 8 |
| Nebraska | 77 | 354 | 263 | 364 | 878 | 218 |
| Nevada | 1,804 | 4,368 | 6,212 | 7,833 | 7,257 | 5,269 |
| New Hampshire | 24 | 54 | 54 | 70 | 11 | 319 |
| New Jersey | 1,341 | 2,087 | 1,349 | 4,239 | 8,143 | 4,610 |
| New Mexico | 2,225 | 3,227 | 2,835 | 4,338 | 4,022 | 2,922 |
| New York | 12,693 | 16,569 | 19,701 | 29,767 | 35,237 | 28,198 |
| North Carolina | 25 | 507 | 433 | 747 | 1,887 | 811 |
| North Dakota | 0 | 0 | 0 | 0 | 1 | 0 |
| Ohio | 246 | 397 | 268 | 304 | 1,073 | 596 |
| Oklahoma | 8,236 | 10,068 | 14,026 | 20,504 | 20,851 | 12,246 |
| Oregon | 920 | 2,368 | 2,367 | 2,531 | 306 | 126 |
| Pennsylvania | 212 | 301 | 418 | 923 | 2,722 | 886 |
| Rhode Island | 2,490 | 2,505 | 2,365 | 2,424 | 2,003 | 2,184 |
| South Carolina | 112 | 240 | 212 | 422 | 921 | 621 |
| South Dakota | 90 | 45 | 88 | 228 | 581 | 360 |
| Tennessee | 0 | 209 | 0 | 328 | 843 | 255 |
| Texas | 72,461 | 90,971 | 126,102 | 141,943 | 144,449 | 103,279 |
| Utah | 174 | 135 | 912 | 1,087 | 824 | 25 |
| Vermont | 2 | 4 | 2 | 4 | 4 | 3 |
| Virginia | 381 | 789 | 583 | 1,476 | 2,536 | 1,350 |
| Washington | 220 | 164 | 1,191 | 731 | 25 | 1 |
| West Virginia | 2 | 17 | 15 | 9 | 23 | 40 |
| Wisconsin | 400 | 743 | 697 | 895 | 2,168 | 1,686 |
| Wyoming | 15 | 6 | 5 | 3 | 4 | 13 |
| Total | 180,102 | 246,040 | 332,925 | 391,176 | 427,549 | 296,004 |

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility^a Consumers,
by State, 1996-1998**
(Million Cubic Feet) — Continued

| State | 1997 | | | | | 1996 |
|----------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| | May | April | March | February | January | Total |
| Alabama | 482 | 386 | 168 | 156 | 125 | 6,146 |
| Alaska | 2,902 | 2,923 | 3,593 | 2,438 | 3,221 | 31,767 |
| Arizona | 2,740 | 723 | 588 | 358 | 319 | 19,248 |
| Arkansas | 575 | 606 | 250 | 214 | 619 | 33,988 |
| California | 37,116 | 25,337 | 24,348 | 14,189 | 17,478 | 318,035 |
| Colorado | 393 | 264 | 326 | 259 | 395 | 5,511 |
| Connecticut | 1,169 | 1,260 | 967 | 1,238 | 197 | 10,456 |
| Delaware | 1,063 | 1,841 | 2,279 | 2,068 | 1,746 | 23,370 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 29,651 | 28,108 | 28,965 | 17,145 | 10,578 | 283,557 |
| Georgia | 203 | 177 | 30 | 18 | 42 | 4,674 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 2,897 | 4,921 | 2,474 | 1,661 | 1,188 | 25,863 |
| Indiana | 232 | 221 | 220 | 151 | 162 | 4,330 |
| Iowa | 270 | 254 | 383 | 218 | 247 | 3,491 |
| Kansas | 1,237 | 847 | 558 | 413 | 553 | 22,607 |
| Kentucky | 21 | 117 | 130 | 80 | 111 | 1,836 |
| Louisiana | 25,574 | 19,124 | 15,862 | 13,616 | 14,761 | 252,139 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 725 | 1,478 | 336 | 47 | 185 | 8,455 |
| Massachusetts | 3,821 | 6,630 | 5,273 | 2,793 | 1,575 | 45,037 |
| Michigan | 2,748 | 2,263 | 2,413 | 2,356 | 1,901 | 32,559 |
| Minnesota | 594 | 619 | 695 | 123 | 656 | 5,301 |
| Mississippi | 4,685 | 3,033 | 2,930 | 2,716 | 3,207 | 83,251 |
| Missouri | 95 | 173 | 77 | 52 | 85 | 5,223 |
| Montana | 7 | 15 | 18 | 27 | 64 | 470 |
| Nebraska | 108 | 172 | 81 | 77 | 31 | 2,351 |
| Nevada | 5,215 | 3,517 | 3,820 | 1,362 | 1,468 | 46,766 |
| New Hampshire | 0 | 0 | 0 | 0 | 0 | 3 |
| New Jersey | 1,478 | 1,868 | 2,091 | 1,023 | 746 | 25,825 |
| New Mexico | 2,443 | 2,547 | 2,768 | 1,990 | 2,059 | 29,969 |
| New York | 16,938 | 11,475 | 14,741 | 12,486 | 4,972 | 142,688 |
| North Carolina | 61 | 26 | 1 | 9 | 0 | 2,381 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 3 |
| Ohio | 106 | 107 | 71 | 71 | 125 | 2,867 |
| Oklahoma | 6,710 | 7,023 | 6,677 | 4,843 | 6,231 | 136,436 |
| Oregon | 3 | 0 | 171 | 0 | 253 | 14,015 |
| Pennsylvania | 294 | 326 | 324 | 316 | 281 | 7,239 |
| Rhode Island | 2,445 | 1,854 | 2,179 | 2,021 | 2,088 | 25,071 |
| South Carolina | 67 | 72 | 12 | 4 | 11 | 1,206 |
| South Dakota | 85 | 85 | 39 | 19 | 26 | 725 |
| Tennessee | 0 | 0 | 0 | 0 | 0 | 572 |
| Texas | 73,212 | 59,300 | 60,371 | 54,877 | 59,992 | 1,039,155 |
| Utah | 147 | 143 | 155 | 137 | 161 | 3,428 |
| Vermont | 3 | 3 | 3 | 2 | 2 | 24 |
| Virginia | 670 | 1,497 | 1,133 | 47 | 190 | 10,275 |
| Washington | 86 | 5 | 0 | 2 | 6 | 6,590 |
| West Virginia | 33 | 9 | 23 | 23 | 12 | 205 |
| Wisconsin | 1,851 | 1,768 | 2,154 | 1,773 | 1,169 | 7,303 |
| Wyoming | 6 | 6 | 6 | 7 | 9 | 87 |
| Total | 231,162 | 193,124 | 189,704 | 143,428 | 139,250 | 2,732,496 |

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998
(Million Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | |
|----------------------------|-------------------|-------------------|-------------------|------------------|------------------------------|------------------------------|
| | | | | July | June | May |
| Alabama | 190,849 | 175,375 | 182,710 | 23,472 | 24,005 | 26,256 |
| Alaska | 83,350 | 89,116 | 86,693 | 10,365 | 10,247 | 10,881 |
| Arizona | 76,102 | 66,786 | 61,201 | 12,051 | 7,467 | 7,574 |
| Arkansas | NA | 146,829 | 158,842 | 21,804 | NA | ^R 20,481 |
| California | 1,095,501 | 1,059,438 | 974,704 | 137,488 | 120,557 | 140,353 |
| Colorado | NA | 166,806 | 173,811 | NA | NA | 18,619 |
| Connecticut | 77,618 | 83,352 | 77,579 | 7,337 | 7,280 | 7,933 |
| Delaware | 24,195 | 31,600 | 33,057 | 3,131 | 2,833 | 2,925 |
| District of Columbia | 21,097 | 22,333 | 22,774 | 1,242 | 1,348 | 1,720 |
| Florida | 278,989 | 289,187 | 275,322 | 46,698 | 48,225 | 42,720 |
| Georgia | 213,281 | 209,404 | 228,967 | 23,937 | 24,018 | 20,054 |
| Hawaii | 1,585 | 1,553 | 1,624 | 214 | 228 | 216 |
| Idaho | 39,339 | 38,108 | 37,969 | 3,429 | 3,876 | 4,186 |
| Illinois | 585,488 | 666,773 | 685,870 | 43,411 | 46,356 | 51,280 |
| Indiana | NA | 343,419 | 356,573 | NA | ^R 31,509 | 32,851 |
| Iowa | 145,439 | 151,567 | 160,530 | 11,588 | 11,021 | ^R 13,167 |
| Kansas | 165,729 | 165,705 | 171,287 | 23,349 | 18,793 | 17,585 |
| Kentucky | 115,078 | 122,645 | 128,403 | 9,770 | 10,292 | 11,505 |
| Louisiana | NA | 778,958 | 817,689 | 127,951 | NA | 111,328 |
| Maine | 3,376 | 3,714 | 3,458 | 251 | ^R 305 | ^R 335 |
| Maryland | 133,140 | 122,968 | 120,325 | 9,982 | 9,612 | 10,503 |
| Massachusetts | NA | 243,852 | 211,655 | 16,115 | NA | ^R 21,846 |
| Michigan | 541,176 | 600,139 | 636,826 | 35,339 | 43,866 | 51,642 |
| Minnesota | 184,516 | 213,120 | 215,562 | 13,777 | 14,579 | 14,749 |
| Mississippi | NA | 116,034 | 130,618 | NA | NA | NA |
| Missouri | 170,543 | 182,940 | 191,413 | 13,305 | 12,566 | 13,741 |
| Montana | 31,162 | 32,920 | 33,717 | 2,176 | 3,638 | ^R 2,838 |
| Nebraska | 75,343 | 81,983 | 80,890 | 8,983 | 5,849 | 6,946 |
| Nevada | 79,014 | 74,623 | 73,002 | 12,929 | 9,447 | 9,976 |
| New Hampshire | 12,516 | 13,324 | 12,335 | 871 | ^R 999 | ^R 1,226 |
| New Jersey | 356,138 | 378,720 | 383,518 | 33,937 | 31,639 | 41,616 |
| New Mexico | 75,954 | 71,481 | 68,047 | 8,239 | 7,214 | 9,770 |
| New York | NA | 817,858 | NA | NA | NA | NA |
| North Carolina | 138,630 | 130,820 | 128,788 | 13,149 | 15,680 | 14,761 |
| North Dakota | 19,666 | 22,872 | 20,560 | 1,249 | 1,374 | 1,770 |
| Ohio | NA | 568,937 | 591,732 | NA | 38,783 | 45,665 |
| Oklahoma | 281,724 | 267,100 | 281,170 | 47,000 | 40,753 | 33,071 |
| Oregon | NA | 87,673 | 87,048 | NA | 10,671 | 10,944 |
| Pennsylvania | NA | 415,052 | 438,183 | 28,410 | 31,351 | 34,776 |
| Rhode Island | NA | 51,273 | 46,336 | 5,305 | 4,612 | ^R 5,436 |
| South Carolina | 96,707 | 90,077 | 88,191 | 10,339 | 11,503 | 11,680 |
| South Dakota | 18,665 | 21,597 | 21,349 | 1,600 | 1,209 | 2,114 |
| Tennessee | NA | NA | 160,053 | 17,040 | 16,972 | 17,809 |
| Texas | 2,077,795 | 2,007,336 | 2,158,818 | 379,619 | 320,021 | 293,705 |
| Utah | 82,416 | 79,846 | 76,187 | 6,533 | 6,931 | 7,559 |
| Vermont | 5,001 | 5,176 | 4,770 | 325 | 347 | 409 |
| Virginia | 145,629 | 142,907 | 145,082 | 16,601 | 14,963 | 14,715 |
| Washington | NA | NA | 135,141 | NA | NA | NA |
| West Virginia | NA | 69,575 | 72,487 | NA | NA | NA |
| Wisconsin | 217,486 | 249,173 | 247,967 | 16,508 | 18,703 | 19,671 |
| Wyoming | NA | 44,835 | 43,009 | NA | 5,041 | 5,547 |
| Total | 11,713,766 | 12,119,523 | 12,242,024 | 1,409,216 | ^R1,316,381 | ^R1,355,022 |

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1998 | | | | 1997 | |
|----------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|
| | April | March | February | January | Total | December |
| Alabama | 24,632 | 29,592 | 29,830 | 33,062 | ^R 296,677 | 30,497 |
| Alaska | 11,872 | 13,040 | 12,516 | 14,428 | 149,454 | 15,194 |
| Arizona | 10,115 | 12,001 | 12,168 | 14,726 | 112,612 | 11,607 |
| Arkansas | 19,046 | 24,796 | 23,129 | 23,745 | 243,839 | 23,868 |
| California | 150,888 | 151,886 | 190,777 | 203,553 | 1,849,819 | 186,761 |
| Colorado | ^R 24,720 | ^R 31,317 | ^R 32,174 | ^R 36,697 | ^R 257,477 | ^R 33,821 |
| Connecticut | 10,871 | 13,255 | 14,383 | 16,558 | 133,522 | 15,668 |
| Delaware | 3,298 | 4,030 | 3,776 | 4,203 | 46,397 | 4,350 |
| District of Columbia | 3,025 | 4,064 | 4,747 | 4,951 | ^R 33,629 | 4,605 |
| Florida | 32,801 | 36,986 | 32,925 | 38,634 | 481,758 | 39,073 |
| Georgia | 25,861 | 37,321 | 39,542 | 42,548 | 350,085 | 40,563 |
| Hawaii | 223 | 221 | 232 | 252 | 2,692 | 230 |
| Idaho | 5,684 | 6,585 | 7,284 | 8,295 | 61,769 | 7,188 |
| Illinois | 79,927 | 110,485 | 107,855 | 146,173 | 1,064,270 | 132,686 |
| Indiana | NA | 62,620 | 57,078 | 68,688 | 556,723 | 68,314 |
| Iowa | 20,383 | 30,256 | 25,941 | 33,082 | 247,128 | 30,098 |
| Kansas | 19,364 | 29,491 | 26,029 | 31,116 | ^R 266,773 | ^R 31,027 |
| Kentucky | 14,076 | 21,967 | 21,257 | 26,211 | 204,648 | 26,970 |
| Louisiana | 101,836 | 110,398 | 97,310 | 111,920 | 1,337,463 | 109,377 |
| Maine | 470 | 610 | 629 | 777 | 6,247 | 733 |
| Maryland | 14,145 | 27,315 | 28,426 | 33,158 | 202,721 | 31,215 |
| Massachusetts | 29,256 | 36,408 | 38,350 | 42,828 | ^R 378,880 | 38,422 |
| Michigan | 77,995 | 106,043 | 106,517 | 119,774 | 936,410 | 111,072 |
| Minnesota | 21,649 | 37,306 | 36,306 | 46,151 | ^R 337,937 | 40,348 |
| Mississippi | NA | NA | 17,463 | NA | NA | 18,874 |
| Missouri | 21,664 | 33,690 | 34,874 | 40,704 | 275,142 | 35,563 |
| Montana | 4,240 | 5,477 | 5,313 | 7,480 | 53,469 | 7,288 |
| Nebraska | 9,830 | 13,612 | 13,802 | 16,322 | 124,391 | 13,794 |
| Nevada | 11,035 | 11,071 | 11,832 | 12,723 | 126,547 | 12,298 |
| New Hampshire | 1,864 | 2,183 | 2,585 | 2,788 | 20,653 | 2,442 |
| New Jersey | 47,096 | 65,242 | 66,099 | 70,507 | ^R 594,336 | 68,929 |
| New Mexico | 10,367 | 12,865 | 11,205 | 16,294 | 120,759 | 16,263 |
| New York | 82,436 | 107,969 | 115,160 | NA | ^R 1,282,146 | ^R 127,098 |
| North Carolina | 17,721 | 23,352 | 25,906 | 28,061 | ^R 211,995 | 25,256 |
| North Dakota | 2,804 | 3,853 | 3,944 | 4,673 | ^R 34,299 | 3,774 |
| Ohio | 67,612 | 98,218 | 99,776 | 113,599 | 891,844 | 108,921 |
| Oklahoma | 32,204 | 43,151 | 40,846 | 44,699 | 450,167 | 44,734 |
| Oregon | NA | NA | 17,736 | 21,237 | ^R 160,041 | 19,576 |
| Pennsylvania | NA | 72,421 | 75,456 | 75,437 | 653,412 | 79,331 |
| Rhode Island | NA | 7,900 | 7,949 | 9,352 | 82,097 | 8,705 |
| South Carolina | 12,349 | 15,673 | 17,097 | 18,065 | 151,658 | 16,684 |
| South Dakota | 2,244 | 3,588 | 3,464 | 4,445 | 32,342 | 3,736 |
| Tennessee | 21,904 | 31,153 | 28,238 | NA | NA | 31,651 |
| Texas | 265,438 | 285,133 | 248,941 | 284,937 | NA | 300,576 |
| Utah | 12,218 | 14,697 | 16,652 | 17,827 | 137,598 | 20,208 |
| Vermont | 716 | 918 | 1,085 | 1,202 | 8,055 | 988 |
| Virginia | 18,956 | 25,191 | 27,386 | 27,819 | ^R 231,569 | ^R 29,786 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 9,140 | 12,281 | ^R 9,941 | 13,133 | 114,609 | 14,147 |
| Wisconsin | 27,884 | 44,076 | 39,114 | 51,531 | 397,071 | 47,427 |
| Wyoming | 5,317 | NA | NA | 8,805 | 71,643 | 6,697 |
| Total | ^R 1,543,408 | ^R 1,947,598 | ^R 1,932,621 | ^R 2,209,520 | ^R 20,012,938 | ^R 2,133,875 |

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | |
|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | November | October | September | August | July | June |
| Alabama | 24,708 | 21,550 | 21,022 | 23,525 | ^R 22,620 | 20,567 |
| Alaska | 12,577 | 13,135 | 8,860 | 10,572 | 10,563 | 10,423 |
| Arizona | 7,012 | 6,690 | 10,654 | 9,864 | 9,318 | 7,231 |
| Arkansas | 19,870 | 17,463 | 16,495 | 19,314 | 21,430 | 17,499 |
| California | 145,591 | 139,946 | 162,462 | 155,621 | 154,451 | 125,478 |
| Colorado | ^R 22,597 | 12,378 | 10,250 | 11,625 | 10,720 | 13,218 |
| Connecticut | 11,787 | 8,456 | 6,691 | 7,568 | 7,999 | 7,448 |
| Delaware | 3,196 | 2,090 | 2,190 | 2,970 | 3,505 | 2,852 |
| District of Columbia | 2,768 | 1,452 | 1,245 | 1,226 | 1,202 | 1,513 |
| Florida | 29,623 | 35,594 | 40,869 | 47,412 | 47,771 | 45,693 |
| Georgia | 35,202 | 23,556 | 20,016 | 21,344 | 21,371 | 19,045 |
| Hawaii | 293 | 209 | 206 | 201 | 218 | 211 |
| Idaho | 5,520 | 4,450 | 3,482 | 3,021 | 3,441 | 3,556 |
| Illinois | 111,168 | 70,463 | 42,621 | 40,557 | 46,870 | 44,620 |
| Indiana | 53,950 | 36,918 | 27,578 | 26,544 | 26,996 | 29,386 |
| Iowa | 24,723 | 17,401 | 11,705 | 11,634 | 11,505 | 11,581 |
| Kansas | 24,659 | 15,783 | 13,484 | 16,116 | 23,844 | 15,726 |
| Kentucky | 21,324 | 14,326 | 9,949 | 9,434 | 9,646 | 9,592 |
| Louisiana | 101,574 | 109,871 | 116,287 | 121,396 | 123,951 | 115,741 |
| Maine | 692 | 486 | 329 | 294 | 271 | 323 |
| Maryland | 17,537 | 11,517 | 9,389 | 10,095 | 12,430 | 11,965 |
| Massachusetts | 30,307 | 23,079 | 20,467 | 22,754 | 23,347 | 28,231 |
| Michigan | 88,305 | 55,632 | 41,554 | 39,709 | 26,729 | 47,754 |
| Minnesota | 36,525 | 21,652 | ^R 12,463 | ^R 13,828 | ^R 14,183 | ^R 14,590 |
| Mississippi | 15,871 | 14,057 | NA | NA | ^R 22,264 | 16,531 |
| Missouri | 24,674 | 12,066 | 9,892 | 10,007 | 12,149 | 11,954 |
| Montana | 5,208 | 3,676 | 2,248 | 2,129 | 1,983 | 2,266 |
| Nebraska | 9,888 | 6,785 | 5,118 | 6,824 | 8,142 | 5,797 |
| Nevada | 7,731 | 9,078 | 10,632 | 12,185 | 11,535 | 9,932 |
| New Hampshire | 1,785 | 1,291 | 918 | 893 | 810 | 1,302 |
| New Jersey | 50,492 | 34,828 | 28,939 | 32,427 | 35,789 | 33,917 |
| New Mexico | 10,735 | 7,477 | 6,667 | 8,136 | 7,917 | 6,160 |
| New York | 102,978 | 76,363 | 74,703 | ^R 83,146 | ^R 94,398 | 93,399 |
| North Carolina | 18,008 | 13,573 | 12,137 | ^R 12,201 | 13,611 | 13,375 |
| North Dakota | 3,211 | 1,875 | ^R 1,291 | ^R 1,277 | ^R 1,122 | ^R 1,348 |
| Ohio | 85,201 | 56,541 | 37,252 | 34,992 | 35,483 | 53,748 |
| Oklahoma | 33,511 | 29,633 | 33,919 | 41,269 | 40,796 | 33,405 |
| Oregon | 14,544 | ^R 13,479 | 12,257 | 12,512 | 9,480 | 7,816 |
| Pennsylvania | 62,304 | 40,177 | 28,814 | 27,734 | 29,436 | 30,381 |
| Rhode Island | 7,313 | 5,310 | 4,739 | 4,757 | 5,072 | 5,713 |
| South Carolina | 12,984 | 10,286 | 11,465 | 10,162 | 10,374 | 10,987 |
| South Dakota | 3,059 | 1,587 | 1,153 | 1,210 | 1,397 | 1,503 |
| Tennessee | ^R 23,356 | 16,202 | ^R 13,989 | 16,625 | 14,883 | NA |
| Texas | 272,820 | 278,581 | NA | 336,135 | 333,317 | 288,867 |
| Utah | 13,507 | 10,682 | 6,491 | 6,865 | 6,734 | 5,981 |
| Vermont | 724 | 529 | 345 | 293 | 285 | 354 |
| Virginia | 19,787 | 13,199 | 11,565 | 14,326 | 14,545 | 11,949 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 11,362 | 7,498 | 6,025 | 6,001 | 5,547 | 6,088 |
| Wisconsin | 41,410 | 26,493 | 16,641 | 15,927 | 16,856 | 16,978 |
| Wyoming | 6,583 | 5,250 | 4,006 | 4,271 | 4,475 | 4,900 |
| Total | ^R 1,723,314 | ^R 1,378,502 | ^R 1,293,173 | ^R 1,364,550 | ^R 1,385,787 | ^R 1,308,626 |

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998
(Million Cubic Feet) — Continued

| State | 1997 | | | | | 1996 |
|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------|
| | May | April | March | February | January | Total |
| Alabama | 22,424 | 23,941 | 24,993 | 29,657 | 31,172 | 293,084 |
| Alaska | 11,115 | 12,759 | 15,201 | 13,022 | 16,033 | 150,877 |
| Arizona | 8,784 | 7,634 | 10,327 | 11,108 | 12,383 | 103,037 |
| Arkansas | 16,456 | 18,079 | 20,701 | 24,893 | 27,771 | 252,585 |
| California | 142,936 | 143,180 | 153,401 | 162,740 | 177,251 | 1,721,217 |
| Colorado | ^R 19,524 | ^R 22,841 | ^R 31,508 | ^R 33,748 | 35,247 | 269,006 |
| Connecticut | 8,957 | 13,002 | 14,461 | 16,153 | 15,331 | 126,488 |
| Delaware | 3,347 | 4,765 | 5,651 | 5,917 | 5,563 | 54,020 |
| District of Columbia | 2,317 | ^R 3,054 | 4,232 | 4,971 | 5,042 | 33,644 |
| Florida | 45,019 | 43,877 | 44,868 | 33,719 | 28,239 | 478,471 |
| Georgia | 24,082 | 29,290 | 30,048 | 40,351 | 45,217 | 374,882 |
| Hawaii | 207 | 215 | 226 | 237 | 239 | 2,672 |
| Idaho | 4,298 | 5,685 | 6,454 | 7,128 | 7,546 | 61,058 |
| Illinois | 64,781 | 89,460 | 117,095 | 132,731 | 171,217 | 1,104,972 |
| Indiana | 39,518 | 46,657 | 58,071 | 64,849 | 77,941 | 561,056 |
| Iowa | 15,100 | 20,283 | 25,468 | 28,940 | 38,690 | 260,140 |
| Kansas | ^R 16,282 | ^R 20,575 | ^R 24,691 | ^R 29,283 | ^R 35,302 | 275,508 |
| Kentucky | 12,569 | 15,682 | 19,924 | 23,491 | 31,742 | 207,529 |
| Louisiana | 113,669 | 107,263 | 102,673 | 104,512 | 111,149 | 1,382,966 |
| Maine | 434 | 562 | 702 | 643 | 778 | 5,722 |
| Maryland | 12,410 | 17,306 | 20,426 | 23,169 | 25,264 | 189,901 |
| Massachusetts | ^R 25,054 | 38,213 | 42,550 | 44,676 | 41,780 | 355,609 |
| Michigan | 70,254 | 87,580 | 111,995 | 120,468 | 135,357 | 980,555 |
| Minnesota | 20,146 | 28,959 | 40,103 | 43,694 | 51,447 | 348,671 |
| Mississippi | 13,189 | 13,005 | 14,795 | 17,431 | 18,819 | 216,524 |
| Missouri | 15,126 | 24,138 | 28,568 | 45,769 | 45,237 | 286,814 |
| Montana | 3,230 | 4,531 | 5,832 | 6,646 | 8,432 | 55,584 |
| Nebraska | 8,296 | 11,121 | 13,855 | 16,008 | 18,765 | 128,297 |
| Nevada | 10,829 | 9,548 | 11,806 | 9,961 | 11,012 | 122,449 |
| New Hampshire | 1,490 | 2,115 | 2,437 | 2,626 | 2,545 | 19,031 |
| New Jersey | 39,326 | 50,239 | 74,024 | ^R 67,837 | 77,588 | 599,810 |
| New Mexico | 8,284 | 7,848 | 11,457 | 13,677 | 16,137 | 113,059 |
| New York | 94,944 | 111,890 | ^R 134,810 | 148,697 | 139,721 | 1,121,742 |
| North Carolina | 15,140 | 17,647 | 19,958 | 25,811 | 25,277 | 205,783 |
| North Dakota | 2,260 | 3,140 | 4,558 | 5,115 | 5,328 | 32,670 |
| Ohio | 59,664 | 75,370 | 98,118 | 113,373 | 133,181 | 915,035 |
| Oklahoma | 30,523 | 34,088 | 37,995 | 43,503 | 46,790 | 460,373 |
| Oregon | ^R 9,572 | 11,918 | 14,443 | 15,716 | 18,728 | 160,626 |
| Pennsylvania | 44,874 | 60,019 | 73,750 | 84,428 | 92,163 | 684,022 |
| Rhode Island | 6,909 | 7,506 | 8,621 | 8,649 | 8,803 | 82,041 |
| South Carolina | 11,697 | 12,329 | 13,572 | 15,461 | 15,657 | 146,434 |
| South Dakota | 2,004 | 2,900 | 3,604 | 4,506 | 5,684 | 33,594 |
| Tennessee | 18,028 | 21,621 | NA | 34,363 | 33,577 | 256,053 |
| Texas | 263,252 | 251,146 | 285,767 | 269,998 | 314,990 | 3,585,201 |
| Utah | 6,869 | 11,451 | 13,240 | 16,675 | 18,897 | 129,651 |
| Vermont | 569 | 782 | 1,048 | 1,059 | 1,078 | 7,325 |
| Virginia | 16,730 | 20,370 | 21,630 | 27,864 | 29,819 | 230,140 |
| Washington | 18,287 | 16,880 | 23,019 | 24,824 | 27,478 | 231,767 |
| West Virginia | 8,410 | 12,384 | 9,734 | 13,142 | 14,271 | 115,622 |
| Wisconsin | 26,124 | 33,702 | 46,172 | 48,115 | 61,227 | 398,581 |
| Wyoming | 6,272 | 6,374 | 6,938 | 6,883 | 8,992 | 73,609 |
| Total | ^R 1,441,585 | ^R 1,634,925 | ^R 1,932,467 | ^R 2,088,235 | ^R 2,327,898 | 20,005,508 |

^R = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1996-1998
(Dollars per Thousand Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------------|--------------------------|-------------|-------------|
| | | | | July | June | May | April | March |
| Alabama | 3.21 | 3.84 | 3.33 | 3.97 | 3.86 | 3.56 | 3.20 | 3.03 |
| Alaska | 1.72 | 1.82 | 1.58 | 1.64 | 1.67 | 1.68 | 1.71 | 1.73 |
| Arizona | 2.56 | 3.16 | 2.25 | 2.85 | 2.60 | 2.93 | 2.75 | 2.55 |
| Arkansas | 2.98 | 3.18 | 2.56 | 3.23 | 2.31 | 3.00 | 2.96 | 3.13 |
| California | 2.35 | 3.01 | 2.32 | 2.39 | 2.34 | 2.49 | 2.33 | 2.38 |
| Colorado | NA | NA | 2.27 | NA | 2.43 | 2.46 | NA | NA |
| Connecticut | 5.18 | 5.29 | 5.15 | 5.14 | 4.74 | 5.08 | 5.89 | 4.87 |
| Delaware | 2.70 | 3.93 | 3.61 | 2.86 | 4.35 | 1.79 | 2.63 | 2.73 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.38 | 3.95 | 3.68 | 3.14 | 2.96 | 3.15 | 3.92 | 3.25 |
| Georgia | 3.45 | 4.01 | 3.66 | 3.57 | 3.01 | 3.55 | 3.63 | 3.85 |
| Hawaii | 5.49 | 6.58 | 5.88 | 4.77 | 4.86 | 5.21 | 5.21 | 6.25 |
| Idaho | 1.97 | 2.21 | 2.22 | 2.81 | 2.56 | 1.94 | 1.96 | 1.81 |
| Illinois | 2.86 | 3.15 | 3.19 | 3.16 | 2.15 | 3.64 | 2.90 | 2.81 |
| Indiana | NA | 2.98 | 3.08 | NA | NA | 2.80 | NA | 2.32 |
| Iowa | 3.54 | 3.64 | 3.16 | 4.11 | 1.98 | 4.17 | 3.33 | 3.42 |
| Kansas | 3.13 | 3.33 | 2.90 | 4.31 | 3.66 | 3.17 | 2.79 | 2.86 |
| Kentucky | 3.30 | 3.70 | 3.24 | 3.57 | 3.12 | 3.33 | 3.99 | 3.23 |
| Louisiana | 2.43 | 2.98 | 3.14 | 2.45 | 2.19 | 2.36 | 2.29 | 2.53 |
| Maine | NA | 4.25 | 4.47 | 5.39 | NA | NA | 3.25 | 3.25 |
| Maryland | 3.91 | 3.89 | 3.89 | 7.62 | 5.94 | 5.58 | 4.37 | 3.44 |
| Massachusetts | 3.67 | 3.73 | 3.76 | 5.83 | ^R 5.52 | ^R 4.56 | 3.48 | 3.30 |
| Michigan | 2.81 | 2.95 | 2.89 | 2.92 | 2.50 | 2.69 | 2.78 | 2.97 |
| Minnesota | 3.07 | 3.41 | 2.89 | 3.31 | 2.88 | 3.24 | 2.95 | 3.00 |
| Mississippi | NA | 3.33 | 3.22 | NA | NA | NA | NA | NA |
| Missouri | 3.33 | 3.68 | 2.92 | 5.12 | 4.87 | 4.47 | 3.72 | 2.97 |
| Montana | 2.44 | 3.26 | 2.86 | 2.27 | 2.39 | ^R 2.22 | 2.29 | 2.50 |
| Nebraska | 3.39 | 3.62 | 2.81 | 3.65 | 2.98 | 3.73 | 3.29 | 2.98 |
| Nevada | 3.15 | 3.44 | 2.71 | 3.75 | 3.37 | 3.25 | 3.00 | 3.29 |
| New Hampshire | NA | 4.19 | 4.16 | 4.63 | NA | ^R 3.36 | 3.37 | 3.93 |
| New Jersey | 3.59 | 4.11 | 3.76 | 3.86 | 3.57 | 3.00 | 3.54 | 3.53 |
| New Mexico | 2.10 | 2.53 | 1.46 | 1.94 | 1.76 | 2.04 | 2.19 | 2.20 |
| New York | NA | NA | 3.40 | NA | NA | NA | 3.01 | NA |
| North Carolina | 3.65 | 3.99 | 3.70 | 3.95 | 3.83 | 3.66 | 3.91 | 3.49 |
| North Dakota | 2.80 | 3.29 | 2.74 | 2.57 | 2.34 | 2.74 | 2.86 | 2.91 |
| Ohio | NA | 5.44 | 4.06 | NA | 4.75 | 5.04 | 4.89 | 4.87 |
| Oklahoma | 2.56 | 3.13 | 2.54 | 2.38 | 2.51 | 2.46 | 2.36 | 2.38 |
| Oregon | NA | 2.52 | 2.22 | 4.13 | 3.22 | 2.78 | NA | NA |
| Pennsylvania | NA | 4.00 | 3.57 | 5.50 | 4.79 | 3.94 | NA | 5.26 |
| Rhode Island | NA | 4.41 | 4.15 | 3.68 | 3.61 | ^R 3.70 | NA | 3.38 |
| South Carolina | 3.49 | 3.70 | 3.90 | 4.09 | 3.81 | 3.90 | 3.66 | 3.34 |
| South Dakota | 3.39 | 3.68 | 2.84 | 4.27 | 2.91 | 4.42 | 4.37 | 2.60 |
| Tennessee | NA | NA | 3.91 | 3.12 | 3.39 | 3.90 | 6.62 | 2.42 |
| Texas | 2.97 | 3.63 | 3.08 | 2.91 | 2.65 | 2.97 | 2.94 | 2.84 |
| Utah | 3.18 | 2.55 | 2.16 | 2.64 | 2.73 | 2.62 | 2.89 | 3.23 |
| Vermont | 2.71 | 2.18 | 2.93 | 2.60 | 2.69 | 2.82 | 2.74 | 2.92 |
| Virginia | 3.75 | 4.13 | 3.72 | 4.51 | 4.32 | 4.37 | 3.64 | 3.25 |
| Washington | NA | NA | 2.25 | NA | NA | NA | NA | NA |
| West Virginia | NA | 3.09 | 3.26 | NA | NA | NA | 3.61 | 2.58 |
| Wisconsin | 3.41 | 3.57 | 3.16 | 5.17 | 4.51 | 3.63 | 3.54 | 3.33 |
| Wyoming | NA | 3.05 | 2.40 | NA | 2.53 | NA | 3.05 | 3.29 |
| Total | 3.18 | 3.55 | 3.21 | 3.34 | 2.97 | ^R 3.11 | 3.22 | 3.22 |

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | 1997 | | | | | |
|----------------------------|-------------|-------------|-------------------|-------------------------|-------------|-------------|-------------|-------------|
| | February | January | Total | December | November | October | September | August |
| Alabama | 2.93 | 3.18 | 3.65 | 2.60 | 3.97 | 4.17 | 3.83 | 3.88 |
| Alaska | 1.72 | 1.75 | 1.81 | 1.82 | 1.82 | 1.78 | 1.79 | 1.73 |
| Arizona | 2.28 | 2.46 | 3.15 | 2.53 | 3.48 | 3.80 | 3.74 | 3.16 |
| Arkansas | 2.85 | 3.09 | 3.23 | 3.19 | 3.44 | 3.61 | 2.87 | 3.28 |
| California | 2.12 | 2.35 | 2.98 | 2.65 | 3.30 | 3.18 | 2.74 | 2.79 |
| Colorado | NA | NA | NA | 2.57 | 3.59 | 2.71 | 2.66 | 2.41 |
| Connecticut | 5.24 | 5.23 | 5.11 | 5.55 | 3.87 | 4.96 | 5.29 | 5.33 |
| Delaware | 3.02 | 2.71 | 3.57 | 2.40 | 5.73 | 5.23 | 1.44 | 3.17 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.20 | 3.81 | 3.97 | 3.85 | 4.45 | 4.64 | 3.82 | 3.31 |
| Georgia | 3.18 | 3.43 | 3.99 | 3.67 | 4.04 | 4.03 | 5.29 | 3.90 |
| Hawaii | 5.75 | 6.40 | 6.44 | 6.23 | — | 6.09 | 6.11 | 6.35 |
| Idaho | 1.94 | 1.89 | 2.12 | 1.79 | 2.07 | 2.01 | 2.17 | 2.50 |
| Illinois | 2.85 | 2.78 | 3.28 | 2.92 | 3.72 | 4.07 | 3.78 | 3.37 |
| Indiana | 2.48 | 2.49 | 3.02 | 2.64 | 3.21 | 3.88 | 3.15 | 2.87 |
| Iowa | 3.33 | 3.80 | 4.05 | 4.44 | 4.84 | 4.99 | 5.39 | 5.86 |
| Kansas | 2.73 | 3.56 | ^R 3.46 | ^R 3.60 | 4.29 | 3.61 | 3.47 | 3.11 |
| Kentucky | 3.09 | 3.22 | 3.83 | 4.07 | 4.28 | 3.89 | 3.57 | 3.62 |
| Louisiana | 2.25 | 2.81 | 3.05 | 2.85 | 3.73 | 3.43 | 3.01 | 2.56 |
| Maine | 3.25 | 3.25 | 3.84 | 3.10 | 2.72 | 4.11 | 3.79 | 4.43 |
| Maryland | 3.43 | 2.96 | 4.01 | 3.37 | 4.22 | 4.69 | 5.77 | 6.05 |
| Massachusetts | 2.89 | 3.40 | ^R 3.80 | ^R 3.09 | 4.14 | 4.52 | 4.58 | 4.91 |
| Michigan | 2.89 | 2.94 | 2.99 | 3.19 | 3.51 | 3.12 | 2.87 | 2.63 |
| Minnesota | 2.90 | 3.27 | 3.67 | 4.06 | 4.52 | 4.26 | 4.02 | 2.97 |
| Mississippi | 2.99 | NA | NA | 3.31 | 3.83 | NA | NA | NA |
| Missouri | 2.99 | 2.96 | 3.74 | 3.13 | 3.91 | 4.63 | 5.08 | 4.79 |
| Montana | 2.41 | 2.71 | 3.16 | 2.51 | 3.15 | 4.47 | 3.76 | 3.96 |
| Nebraska | 2.70 | 4.71 | 4.24 | 5.31 | 6.30 | 5.76 | 7.03 | 5.51 |
| Nevada | 3.00 | 3.03 | 3.39 | 2.84 | 3.71 | 3.46 | 4.12 | 3.99 |
| New Hampshire | 3.74 | 3.77 | 4.10 | 3.72 | 4.02 | 3.95 | 3.79 | 4.45 |
| New Jersey | 3.38 | 4.37 | 4.17 | 3.77 | 4.49 | 4.74 | 4.22 | 4.41 |
| New Mexico | 2.02 | 2.24 | 2.53 | 2.31 | 2.85 | 2.59 | 2.62 | 2.18 |
| New York | NA | NA | NA | NA | NA | NA | 3.42 | 3.07 |
| North Carolina | 3.47 | 3.65 | 3.97 | 3.72 | 4.09 | 3.95 | 4.13 | 3.96 |
| North Dakota | 2.85 | 2.93 | 3.38 | 3.01 | 4.01 | 3.73 | 3.53 | 3.36 |
| Ohio | 4.27 | 4.82 | 5.16 | 4.35 | 4.66 | 5.09 | 4.91 | 5.51 |
| Oklahoma | 2.61 | 2.86 | 3.12 | 3.32 | 3.19 | 3.04 | 2.58 | 2.66 |
| Oregon | 2.31 | 2.53 | 2.58 | 2.42 | 2.73 | 2.48 | 3.12 | 4.01 |
| Pennsylvania | 3.64 | 3.68 | 4.08 | 3.71 | 4.32 | 4.60 | 4.56 | 4.95 |
| Rhode Island | 3.35 | 3.93 | 4.49 | 4.02 | 4.46 | 4.53 | 5.71 | 6.64 |
| South Carolina | 3.05 | 3.37 | 3.81 | 3.72 | 4.13 | 4.15 | 4.03 | 3.86 |
| South Dakota | 3.66 | 3.22 | 3.66 | 3.46 | 3.68 | 3.53 | 4.03 | 4.26 |
| Tennessee | 3.84 | NA | NA | 3.63 | 4.37 | 3.93 | 2.78 | 2.51 |
| Texas | 2.87 | 3.26 | 3.67 | 3.97 | 3.86 | 3.58 | 3.21 | 3.11 |
| Utah | 3.68 | 3.25 | 2.79 | 3.46 | 3.07 | 2.64 | 2.81 | 3.02 |
| Vermont | 2.66 | 2.59 | 2.33 | 2.64 | 2.77 | 2.34 | 2.29 | 2.33 |
| Virginia | 3.63 | 3.97 | 4.13 | 3.65 | 4.15 | 4.83 | 4.69 | 4.47 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 3.15 | 3.34 | 3.16 | 2.99 | 3.07 | 3.66 | 3.53 | 3.89 |
| Wisconsin | 2.99 | 3.21 | ^R 3.64 | ^R 3.32 | 3.75 | 3.91 | 4.52 | 4.75 |
| Wyoming | 3.31 | NA | 3.13 | 3.20 | 3.61 | 3.02 | 3.35 | 2.90 |
| Total | 3.08 | 3.28 | 3.59 | ^R3.41 | 3.92 | 3.90 | 3.57 | 3.39 |

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1996-1998
(Dollars per Thousand Cubic Feet) — Continued

| State | 1997 | | | | | | | 1996 |
|----------------------------|------|------|------|-------|-------|----------|---------|-------|
| | July | June | May | April | March | February | January | Total |
| Alabama | 4.10 | 3.86 | 3.54 | 3.16 | 3.20 | 4.02 | 4.44 | 3.48 |
| Alaska | 1.74 | 1.70 | 1.78 | 1.81 | 1.84 | 1.80 | 1.88 | 1.58 |
| Arizona | 2.98 | 3.32 | 3.18 | 2.61 | 2.22 | 2.85 | 4.21 | 2.78 |
| Arkansas | 2.78 | 2.77 | 2.59 | 2.48 | 2.46 | 3.16 | 4.18 | 2.76 |
| California | 3.72 | 2.67 | 2.55 | 2.30 | 2.25 | 3.21 | 4.14 | 2.59 |
| Colorado | 2.67 | 2.57 | 2.42 | NA | 2.32 | NA | NA | 2.70 |
| Connecticut | 4.55 | 4.76 | 4.81 | 4.94 | 4.82 | 6.00 | 5.82 | 5.11 |
| Delaware | 3.51 | 3.44 | 3.20 | 3.00 | 3.69 | 4.48 | 5.66 | 3.68 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.41 | 3.50 | 3.09 | 3.62 | 4.04 | 4.56 | 4.61 | 3.73 |
| Georgia | 3.96 | 4.37 | 3.20 | 3.08 | 3.31 | 4.15 | 4.80 | 3.77 |
| Hawaii | 6.59 | 5.46 | 6.47 | 7.21 | 6.50 | 7.73 | 6.16 | 6.05 |
| Idaho | 2.16 | 2.83 | 2.98 | 2.08 | 1.85 | 2.13 | 2.37 | 2.24 |
| Illinois | 2.81 | 3.11 | 3.06 | 2.48 | 2.43 | 3.30 | 3.79 | 3.27 |
| Indiana | 2.54 | 2.35 | 2.32 | 2.07 | 2.31 | 3.20 | 4.08 | 3.09 |
| Iowa | 6.62 | 4.74 | 3.49 | 2.83 | 3.05 | 3.66 | 3.98 | 3.47 |
| Kansas | 2.88 | 3.02 | 2.85 | 2.38 | 2.67 | 3.67 | 4.37 | 3.05 |
| Kentucky | 3.68 | 3.69 | 3.30 | 3.62 | 3.40 | 3.47 | 4.17 | 3.41 |
| Louisiana | 2.58 | 2.63 | 2.40 | 2.36 | 2.44 | 3.49 | 3.84 | 3.13 |
| Maine | 4.34 | 4.53 | 4.69 | 3.43 | 4.26 | 3.52 | 4.96 | 4.30 |
| Maryland | 5.81 | 4.34 | 4.15 | 3.15 | 3.32 | 3.75 | 4.14 | 4.02 |
| Massachusetts | 5.29 | 5.61 | 2.86 | 3.26 | 2.97 | 4.12 | 4.30 | 3.98 |
| Michigan | 2.54 | 2.69 | 2.60 | 2.56 | 2.66 | 3.28 | 3.98 | 2.90 |
| Minnesota | 3.92 | 3.49 | 2.64 | 2.41 | 2.70 | 3.48 | 4.51 | 3.07 |
| Mississippi | 2.87 | 2.95 | 2.43 | 2.89 | 2.82 | 3.48 | 4.25 | 3.27 |
| Missouri | 4.61 | 5.31 | 3.95 | 3.11 | 2.78 | 3.50 | 4.05 | 3.25 |
| Montana | 3.63 | 3.91 | 2.28 | 3.09 | 2.70 | 3.50 | 3.73 | 3.03 |
| Nebraska | 4.96 | 4.09 | 3.11 | 2.28 | 3.02 | 3.75 | 4.42 | 3.07 |
| Nevada | 3.87 | 3.64 | 2.72 | 2.81 | 2.96 | 3.37 | 4.13 | 3.10 |
| New Hampshire | 4.28 | 4.34 | 3.66 | 3.15 | 3.99 | 4.42 | 4.93 | 4.20 |
| New Jersey | 4.29 | 4.21 | 3.86 | 3.15 | 3.99 | 4.20 | 4.70 | 3.84 |
| New Mexico | 2.13 | 2.13 | 2.04 | 1.91 | 1.38 | 2.39 | 3.85 | 1.99 |
| New York | 2.83 | 2.96 | NA | NA | NA | NA | NA | 3.36 |
| North Carolina | 3.90 | 3.84 | 3.83 | 3.40 | 3.51 | 4.34 | 4.36 | 3.74 |
| North Dakota | 3.14 | 3.17 | 2.95 | 2.50 | 2.43 | 3.59 | 4.22 | 2.94 |
| Ohio | 7.16 | 6.17 | 5.96 | 5.79 | 5.01 | 5.41 | 5.24 | 4.37 |
| Oklahoma | 3.23 | 2.66 | 2.22 | 2.22 | 3.09 | 3.68 | 3.52 | 2.56 |
| Oregon | 3.45 | 3.00 | 3.02 | 1.95 | 1.92 | 2.35 | 2.95 | 2.42 |
| Pennsylvania | 4.03 | 4.90 | 4.30 | 3.48 | 3.48 | 4.12 | 4.22 | 3.77 |
| Rhode Island | 7.53 | 6.42 | 4.81 | 3.46 | 3.16 | 4.26 | 4.85 | 4.41 |
| South Carolina | 3.74 | 3.78 | 3.54 | 3.25 | 2.95 | 3.97 | 4.20 | 3.90 |
| South Dakota | 4.40 | 4.58 | 3.75 | 3.02 | 2.78 | 3.95 | 4.10 | 3.19 |
| Tennessee | 2.71 | NA | 2.96 | 2.51 | NA | 3.73 | 4.10 | 4.04 |
| Texas | 3.23 | 3.01 | 2.50 | 2.38 | 3.01 | 4.16 | 4.70 | 3.22 |
| Utah | 2.83 | 2.35 | 1.93 | 2.15 | 2.69 | 2.76 | 2.65 | 2.25 |
| Vermont | 2.41 | 2.58 | 2.77 | 2.39 | 2.26 | 2.16 | 1.57 | 2.74 |
| Virginia | 3.94 | 3.77 | 5.12 | 3.28 | 3.49 | 3.96 | 5.04 | 3.89 |
| Washington | NA | NA | 2.53 | 2.70 | 1.89 | 2.62 | 3.45 | 2.44 |
| West Virginia | 1.85 | 3.90 | 3.02 | 2.88 | 2.17 | 3.54 | 3.61 | 3.36 |
| Wisconsin | 3.68 | 4.82 | 3.39 | 3.12 | 2.89 | 3.54 | 4.13 | 3.43 |
| Wyoming | 2.94 | 2.85 | 1.64 | 2.48 | 3.19 | 3.61 | 4.22 | 2.36 |
| Total | 3.50 | 3.38 | 3.14 | 2.94 | 3.05 | 3.78 | 4.27 | 3.34 |

^R = Revised Data.

NA = Not Available.

— = Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998
(Dollars per Thousand Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | | | July | June | May | April | March |
| Alabama | 7.65 | 8.32 | 6.84 | 11.13 | 10.91 | 8.99 | 7.73 | 7.00 |
| Alaska | 3.74 | 3.78 | 3.40 | 4.71 | 4.02 | 3.83 | 3.66 | 3.71 |
| Arizona | 8.01 | 7.36 | 7.32 | 12.24 | 11.02 | 9.58 | 8.14 | 7.39 |
| Arkansas | 7.31 | 6.49 | 5.59 | 9.03 | 8.72 | ^R 5.83 | 6.86 | 6.41 |
| California | 6.93 | 6.47 | 6.49 | 7.07 | 7.32 | 7.01 | 6.80 | 6.78 |
| Colorado | NA | 4.48 | 4.31 | NA | NA | 5.24 | ^R 4.74 | ^R 4.49 |
| Connecticut | 10.41 | 10.42 | 9.91 | 11.62 | 11.11 | 11.57 | 9.78 | 10.18 |
| Delaware | 8.51 | 8.15 | 6.74 | 11.67 | 10.99 | 9.44 | 8.51 | 8.15 |
| District of Columbia | 8.78 | 9.14 | 8.93 | 8.87 | 8.50 | 9.70 | 8.86 | 8.62 |
| Florida | 11.25 | 12.05 | 10.20 | 13.79 | 13.30 | 13.08 | 11.34 | 10.51 |
| Georgia | 7.28 | 7.84 | 6.42 | 16.76 | 11.73 | 13.50 | 7.09 | 5.78 |
| Hawaii | 19.50 | 22.16 | 19.45 | 18.60 | 18.75 | 19.37 | 19.21 | 19.87 |
| Idaho | 5.27 | 5.01 | 5.17 | 6.26 | 5.86 | 5.59 | 5.38 | 5.18 |
| Illinois | 5.46 | 5.98 | 5.08 | 8.69 | 8.09 | 7.94 | 5.79 | 4.90 |
| Indiana | NA | 6.44 | 5.29 | NA | ^R 9.95 | 8.81 | NA | 6.13 |
| Iowa | 5.77 | 5.89 | 5.07 | 11.56 | 8.41 | 7.80 | 6.36 | 4.79 |
| Kansas | 6.02 | 6.39 | 5.38 | 8.04 | 7.61 | 6.60 | 5.92 | 5.76 |
| Kentucky | 5.82 | 6.34 | 5.15 | 7.87 | 8.15 | 7.15 | 6.56 | 5.25 |
| Louisiana | 6.30 | 7.04 | 6.36 | 8.85 | 8.36 | 8.95 | 6.46 | 5.28 |
| Maine | 8.03 | 8.52 | 7.70 | 9.11 | ^R 8.33 | ^R 8.66 | 7.90 | 7.90 |
| Maryland | 8.02 | 7.93 | 7.34 | 12.03 | 10.82 | 9.82 | 8.36 | 7.53 |
| Massachusetts | NA | 9.41 | 8.74 | 10.45 | NA | NA | 9.64 | 9.37 |
| Michigan | 5.07 | 5.05 | 4.77 | 7.12 | 6.23 | 5.85 | 5.11 | 4.69 |
| Minnesota | 5.41 | 5.73 | 5.20 | 7.57 | 7.15 | 6.45 | 5.60 | 5.18 |
| Mississippi | NA | 6.11 | 5.46 | NA | NA | NA | NA | NA |
| Missouri | 6.30 | 6.33 | 5.67 | 9.76 | 8.84 | 7.40 | 6.14 | 5.58 |
| Montana | NA | 4.77 | 4.74 | 6.70 | 6.44 | NA | 5.15 | 4.97 |
| Nebraska | 5.19 | 5.60 | 4.59 | 6.87 | 6.42 | 5.99 | 5.09 | 4.74 |
| Nevada | 6.95 | 6.01 | 6.07 | 8.69 | 7.74 | 7.30 | 6.90 | 6.80 |
| New Hampshire | 8.00 | 8.46 | 7.00 | 9.15 | 8.20 | 7.07 | 6.50 | 8.50 |
| New Jersey | 7.52 | 7.78 | 7.03 | 9.63 | 9.32 | 6.80 | 7.71 | 7.39 |
| New Mexico | 5.47 | 6.27 | 4.43 | 10.89 | 31.23 | 9.69 | 6.26 | 4.55 |
| New York | NA | 9.81 | 8.41 | NA | NA | NA | 9.26 | 8.54 |
| North Carolina | 8.33 | 9.05 | 7.16 | 12.05 | 11.81 | 9.29 | 7.91 | 7.77 |
| North Dakota | 4.99 | 4.49 | 4.57 | 7.09 | 7.03 | 5.96 | 5.12 | 4.79 |
| Ohio | NA | 6.80 | 5.47 | NA | 7.35 | 6.56 | 6.22 | 5.97 |
| Oklahoma | 5.87 | 6.26 | 5.35 | 8.91 | 8.37 | 6.84 | 5.56 | 5.43 |
| Oregon | NA | 5.96 | 6.24 | 8.33 | 7.48 | 7.19 | NA | NA |
| Pennsylvania | NA | 8.27 | 7.00 | 11.22 | 10.51 | 9.02 | NA | 8.05 |
| Rhode Island | NA | 9.48 | 8.10 | 11.94 | 10.94 | ^R 9.67 | NA | 9.03 |
| South Carolina | 8.24 | 8.73 | 7.20 | 10.18 | 9.76 | 8.44 | 7.88 | 8.02 |
| South Dakota | 5.53 | 5.42 | 4.90 | 8.90 | 6.54 | 6.88 | 5.88 | 5.31 |
| Tennessee | NA | 6.89 | 6.18 | 8.68 | 8.15 | 6.95 | 6.42 | 5.96 |
| Texas | 6.13 | 6.27 | 5.62 | 8.86 | 7.94 | 7.31 | 6.29 | 5.14 |
| Utah | 5.60 | 4.95 | 4.42 | 6.70 | 5.39 | 5.72 | 4.85 | 5.51 |
| Vermont | 6.52 | 6.27 | 6.25 | 8.91 | 8.08 | 7.28 | 6.45 | 6.30 |
| Virginia | 8.44 | 8.53 | 7.45 | 12.22 | 11.73 | 10.14 | 8.28 | 7.75 |
| Washington | NA | NA | 5.58 | NA | NA | NA | NA | NA |
| West Virginia | NA | 6.94 | 6.91 | NA | NA | NA | 7.55 | 6.85 |
| Wisconsin | 6.13 | 6.45 | 5.88 | 7.16 | 6.50 | 6.29 | 6.02 | 6.28 |
| Wyoming | NA | 3.97 | 4.35 | NA | 5.99 | 5.79 | 5.25 | 5.13 |
| Total | 6.73 | 6.84 | 6.12 | 8.99 | ^R8.40 | ^R7.59 | ^R6.77 | ^R6.27 |

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | 1997 | | | | | |
|----------------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------|-------------------------|-------------------------|
| | February | January | Total | December | November | October | September | August |
| Alabama | 7.10 | 7.41 | 8.39 | 7.32 | 7.99 | 11.10 | 11.62 | 11.70 |
| Alaska | 3.65 | 3.56 | 3.78 | 3.62 | 3.69 | 3.75 | 3.94 | 4.66 |
| Arizona | 7.40 | 7.23 | 7.80 | 7.59 | 9.17 | 11.33 | 9.10 | 10.54 |
| Arkansas | 6.50 | 9.42 | 6.64 | 6.23 | 6.40 | 8.66 | 9.53 | 9.25 |
| California | 6.49 | 7.28 | 6.82 | 7.20 | 7.49 | 7.81 | 7.42 | 7.57 |
| Colorado | ^R 4.57 | ^R 4.50 | ^R 4.73 | ^R 4.67 | ^R 5.11 | 5.88 | 7.07 | 6.86 |
| Connecticut | 10.33 | 10.36 | 10.31 | 9.18 | 10.42 | 11.01 | 11.58 | 11.48 |
| Delaware | 8.08 | 8.07 | 8.42 | 8.11 | 8.76 | 10.81 | 11.91 | 11.94 |
| District of Columbia | 8.44 | 9.01 | 9.47 | 9.45 | 11.01 | 11.27 | 11.34 | 8.40 |
| Florida | 10.47 | 10.33 | 12.71 | 12.58 | 13.89 | 14.79 | 14.96 | 15.05 |
| Georgia | 6.15 | 6.40 | 7.45 | 6.11 | 5.95 | 8.02 | 10.57 | 11.75 |
| Hawaii | 20.46 | 19.99 | 21.71 | 20.40 | 20.84 | 21.04 | 21.33 | 21.61 |
| Idaho | 5.14 | 5.01 | 5.11 | 4.98 | 5.28 | 5.66 | 6.47 | 6.51 |
| Illinois | 4.91 | 4.88 | 5.95 | 5.39 | 5.65 | 6.07 | 8.00 | 7.87 |
| Indiana | ^R 6.22 | 6.12 | 6.37 | 5.54 | 5.83 | 6.95 | 8.77 | 9.40 |
| Iowa | 4.97 | 5.49 | 6.27 | 6.09 | 6.52 | 7.80 | 11.19 | 10.25 |
| Kansas | 5.80 | 5.82 | 6.47 | 5.96 | 6.55 | 7.74 | 8.54 | 8.27 |
| Kentucky | 5.47 | 5.48 | 6.48 | 6.49 | 6.19 | 7.52 | 7.94 | 9.22 |
| Louisiana | 5.60 | 6.10 | 7.24 | 6.38 | 7.96 | 9.44 | 9.42 | 8.76 |
| Maine | 7.90 | 7.90 | 8.47 | 8.36 | 8.21 | 7.80 | 9.46 | 9.25 |
| Maryland | 7.36 | 7.38 | 8.21 | 7.61 | 8.71 | 9.91 | 10.72 | 11.35 |
| Massachusetts | 9.26 | 9.19 | 9.54 | 10.09 | 9.78 | 8.58 | 10.09 | 10.39 |
| Michigan | 4.92 | 4.85 | 5.15 | 4.93 | 5.08 | 5.74 | 6.81 | 7.26 |
| Minnesota | 5.11 | 5.07 | ^R 5.84 | 5.17 | 6.12 | 6.58 | ^R 8.61 | ^R 8.23 |
| Mississippi | 5.39 | NA | 6.25 | 5.67 | 6.70 | 8.29 | ^R 7.66 | ^R 7.78 |
| Missouri | 5.86 | 6.30 | 6.57 | 6.45 | 6.68 | 8.83 | 9.59 | 9.38 |
| Montana | 5.03 | 4.87 | 5.07 | 5.33 | 5.42 | 5.84 | 6.73 | 6.98 |
| Nebraska | 4.93 | 5.28 | 5.87 | 6.19 | 6.19 | 7.53 | 7.90 | 7.72 |
| Nevada | 6.79 | 6.53 | 6.29 | 6.20 | 6.74 | 7.67 | 7.95 | 7.99 |
| New Hampshire | 8.38 | 8.30 | 8.48 | 8.46 | 8.87 | 7.47 | 8.98 | 9.17 |
| New Jersey | 7.23 | 7.41 | 7.85 | 7.48 | 7.63 | 8.52 | 9.80 | 9.82 |
| New Mexico | 5.23 | 3.72 | 5.75 | 3.61 | 4.47 | 8.32 | 10.84 | 11.07 |
| New York | 8.62 | NA | ^R 9.98 | ^R 9.14 | 10.65 | 11.75 | 12.64 | ^R 11.38 |
| North Carolina | 7.93 | 8.33 | 9.00 | 8.05 | 8.23 | 11.20 | 13.11 | 13.15 |
| North Dakota | 4.68 | 4.52 | ^R 4.91 | 5.57 | 5.67 | 6.26 | ^R 7.41 | ^R 7.44 |
| Ohio | 5.75 | 6.25 | 6.75 | 6.20 | 6.31 | 7.40 | 8.29 | 8.46 |
| Oklahoma | 5.73 | 5.56 | 6.35 | 5.56 | 6.17 | 8.93 | 9.28 | 9.36 |
| Oregon | 6.44 | 6.09 | 6.05 | 5.89 | 6.15 | 6.68 | 7.07 | 7.26 |
| Pennsylvania | 8.03 | 9.60 | 8.34 | 7.76 | 7.94 | 9.01 | 11.12 | 11.69 |
| Rhode Island | 8.86 | 8.83 | 9.61 | 8.97 | 9.74 | 10.64 | 12.10 | 12.53 |
| South Carolina | 8.27 | 8.17 | 8.60 | 7.98 | 8.00 | 9.53 | 10.15 | 10.24 |
| South Dakota | 5.07 | 5.01 | 5.75 | 5.94 | 6.17 | 6.98 | 9.10 | 8.07 |
| Tennessee | 6.31 | NA | 6.99 | 6.81 | 6.89 | 8.33 | 8.81 | 9.00 |
| Texas | 6.58 | 5.42 | 6.41 | 5.67 | 6.50 | 8.07 | 8.67 | 8.91 |
| Utah | 5.73 | 5.83 | 5.10 | 5.25 | 5.66 | 4.62 | 5.55 | 5.94 |
| Vermont | 6.23 | 6.19 | 6.41 | 6.21 | 6.43 | 7.06 | 8.41 | 8.78 |
| Virginia | 8.05 | 8.11 | 8.83 | 8.42 | 9.02 | 11.07 | 12.27 | 12.45 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 6.78 | 6.81 | 6.76 | 5.83 | 6.58 | 5.98 | 8.89 | 9.58 |
| Wisconsin | 5.98 | 5.96 | 6.53 | 6.37 | 7.24 | 6.07 | 6.92 | 6.99 |
| Wyoming | 5.14 | NA | 4.54 | 6.24 | 5.19 | 5.54 | 6.09 | 6.31 |
| Total | 6.41 | ^R6.46 | ^R6.94 | ^R6.52 | ^R6.87 | 7.65 | ^R8.78 | ^R8.93 |

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998
(Dollars per Thousand Cubic Feet) — Continued

| State | 1997 | | | | | | | 1996 |
|----------------------------|-------------------|-------------------|-------|-------|-------------------|-------------------|-------------------|-------|
| | July | June | May | April | March | February | January | Total |
| Alabama | 11.26 | 10.45 | 8.69 | 9.21 | 8.65 | 7.61 | 7.62 | 7.22 |
| Alaska | 4.43 | 4.27 | 3.88 | 3.75 | 3.75 | 3.67 | 3.63 | 3.42 |
| Arizona | 10.05 | 9.59 | 8.68 | 7.93 | 7.03 | 6.81 | 6.62 | 7.52 |
| Arkansas | 8.64 | 8.23 | 6.93 | 6.40 | 6.14 | 6.09 | 6.48 | 5.92 |
| California | 7.05 | 7.71 | 6.38 | 6.18 | 6.42 | 6.27 | 6.27 | 6.44 |
| Colorado | 6.82 | 5.86 | 4.85 | 4.65 | 4.32 | ^R 4.25 | ^R 3.89 | 4.39 |
| Connecticut | 11.35 | 10.71 | 10.71 | 10.07 | 9.66 | 10.96 | 10.41 | 10.08 |
| Delaware | 11.69 | 10.13 | 8.93 | 8.25 | 7.94 | 7.75 | 7.54 | 7.12 |
| District of Columbia | 8.46 | 8.28 | 9.18 | 8.74 | 8.57 | 9.36 | 9.81 | 9.19 |
| Florida | 14.65 | 14.15 | 13.36 | 12.89 | 12.12 | 10.69 | 10.57 | 10.74 |
| Georgia | 11.87 | 12.38 | 10.42 | 6.23 | 8.88 | 7.47 | 6.53 | 6.69 |
| Hawaii | 21.17 | 21.51 | 21.78 | 21.30 | 22.29 | 25.55 | 21.14 | 19.81 |
| Idaho | 6.16 | 5.81 | 5.26 | 5.10 | 4.95 | 4.80 | 4.81 | 5.20 |
| Illinois | 7.83 | 7.93 | 5.43 | 5.10 | 5.28 | 6.50 | 6.15 | 5.28 |
| Indiana | 10.18 | 8.85 | 7.23 | 6.70 | 6.28 | 6.06 | 5.82 | 5.54 |
| Iowa | 9.53 | 8.08 | 6.21 | 5.24 | 5.58 | 6.01 | 5.57 | 5.49 |
| Kansas | 7.54 | 8.03 | 6.24 | 6.04 | 5.98 | 6.58 | 6.33 | 5.59 |
| Kentucky | 9.15 | 7.56 | 6.67 | 6.84 | 6.32 | 6.02 | 5.87 | 5.54 |
| Louisiana | 8.41 | 8.45 | 7.52 | 6.09 | 6.28 | 6.85 | 7.34 | 6.76 |
| Maine | 9.69 | 8.39 | 7.95 | 9.05 | 8.65 | 8.66 | 8.10 | 7.84 |
| Maryland | 10.88 | 9.62 | 8.26 | 8.14 | 7.31 | 7.64 | 7.68 | 7.60 |
| Massachusetts | 9.86 | 8.32 | 7.49 | 9.90 | 9.70 | 9.62 | 9.55 | 8.88 |
| Michigan | 6.88 | 6.15 | 5.10 | 4.92 | 4.82 | 4.94 | 5.04 | 4.96 |
| Minnesota | ^R 8.04 | ^R 7.03 | 5.32 | 4.66 | 4.81 | 5.81 | 6.50 | 5.46 |
| Mississippi | ^R 7.54 | 7.36 | 6.91 | 6.42 | 5.49 | 5.61 | 6.17 | 5.72 |
| Missouri | 8.77 | 7.53 | 5.88 | 5.31 | 5.70 | 6.50 | 6.67 | 5.97 |
| Montana | 7.46 | 6.10 | 5.00 | 4.73 | 4.69 | 4.49 | 4.47 | 4.86 |
| Nebraska | 7.43 | 6.71 | 4.65 | 4.91 | 4.86 | 5.75 | 6.21 | 4.88 |
| Nevada | 7.58 | 7.31 | 6.63 | 6.16 | 5.78 | 5.76 | 5.54 | 6.19 |
| New Hampshire | 9.01 | 7.59 | 6.62 | 6.62 | 9.36 | 9.24 | 9.10 | 7.40 |
| New Jersey | 9.62 | 9.38 | 8.30 | 7.71 | 7.42 | 7.47 | 7.67 | 7.16 |
| New Mexico | 11.66 | 40.76 | 6.53 | 8.78 | 4.46 | 5.09 | 5.81 | 4.47 |
| New York | 12.49 | 10.88 | 9.51 | 9.11 | ^R 8.67 | 10.13 | 10.43 | 8.90 |
| North Carolina | 12.42 | 10.31 | 8.58 | 8.68 | 9.59 | 8.76 | 8.77 | 7.59 |
| North Dakota | ^R 7.24 | ^R 6.33 | 5.10 | 4.10 | 4.14 | 4.32 | 4.43 | 4.54 |
| Ohio | 8.71 | 7.42 | 6.74 | 6.60 | 6.51 | 6.83 | 6.72 | 5.90 |
| Oklahoma | 8.95 | 8.14 | 6.80 | 5.96 | 5.66 | 5.79 | 6.44 | 5.64 |
| Oregon | 7.04 | 6.82 | 6.38 | 6.04 | 5.85 | 5.76 | 5.73 | 6.31 |
| Pennsylvania | 11.78 | 10.15 | 8.88 | 8.41 | 8.05 | 8.05 | 7.64 | 7.38 |
| Rhode Island | 12.30 | 10.90 | 9.70 | 9.67 | 9.39 | 9.18 | 8.79 | 8.49 |
| South Carolina | 9.73 | 8.96 | 8.09 | 8.36 | 9.24 | 8.69 | 8.67 | 7.41 |
| South Dakota | 8.39 | 7.83 | 5.92 | 4.95 | 4.83 | 5.09 | 5.50 | 5.25 |
| Tennessee | 8.92 | ^R 7.43 | 6.49 | 6.39 | ^R 6.86 | 7.00 | 6.84 | 6.26 |
| Texas | 8.38 | 7.83 | 6.42 | 5.66 | 5.56 | 6.05 | 6.35 | 5.89 |
| Utah | 5.61 | 5.67 | 5.80 | 4.16 | 5.14 | 4.89 | 4.91 | 4.47 |
| Vermont | 8.51 | 7.35 | 6.52 | 6.23 | 6.08 | 6.04 | 6.04 | 6.40 |
| Virginia | 12.40 | 10.70 | 9.05 | 8.12 | 7.56 | 8.07 | 8.87 | 7.94 |
| Washington | NA | NA | 5.69 | 5.68 | 5.48 | 5.40 | 5.39 | 5.65 |
| West Virginia | 10.39 | 8.47 | 7.26 | 6.91 | 6.80 | 6.67 | 6.68 | 7.02 |
| Wisconsin | 6.58 | 6.68 | 5.13 | 6.31 | 5.89 | 6.61 | 7.08 | 6.04 |
| Wyoming | 5.83 | 5.25 | 3.23 | 4.73 | 4.01 | 3.91 | 3.51 | 4.26 |
| Total | ^R 8.71 | ^R 8.26 | 6.84 | 6.57 | ^R 6.47 | 6.80 | 6.74 | 6.34 |

^R = Revised Data.

NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------------|-------------------|--------------------------|--------------------------|
| | | | | July | June | May | April | March |
| Alabama | 6.46 | 7.06 | 6.04 | 7.25 | 7.24 | 6.18 | 6.00 | 6.27 |
| Alaska | 2.34 | 2.43 | 2.36 | 2.08 | 2.05 | 2.24 | 2.31 | 2.39 |
| Arizona | 5.80 | 5.14 | 4.99 | 6.25 | 6.19 | 6.14 | 5.79 | 5.50 |
| Arkansas | NA | 5.15 | 4.47 | 5.29 | NA | ^R 5.31 | 5.23 | 5.04 |
| California | 6.43 | 6.48 | 6.11 | 5.50 | 5.91 | 5.68 | 6.65 | 7.06 |
| Colorado | NA | 3.78 | 3.74 | NA | 4.44 | 4.21 | ^R 4.05 | ^R 4.04 |
| Connecticut | 7.03 | 7.51 | 7.55 | 4.66 | 5.88 | 7.03 | 6.86 | 7.42 |
| Delaware | 6.92 | 6.63 | 5.62 | 8.14 | 7.81 | 7.33 | 6.85 | 6.75 |
| District of Columbia | 7.33 | 7.99 | 7.24 | 6.98 | 6.97 | 6.99 | 7.09 | 7.46 |
| Florida | 6.73 | 6.83 | 6.48 | 6.55 | 6.70 | 6.83 | 6.71 | 6.69 |
| Georgia | 6.32 | 6.71 | 5.81 | 9.40 | 7.59 | 7.99 | 5.53 | 5.51 |
| Hawaii | 13.44 | 15.21 | 13.97 | 12.36 | 12.60 | 13.20 | 13.32 | 13.66 |
| Idaho | 4.55 | 4.43 | 4.54 | 4.90 | 4.83 | 4.77 | 4.76 | 4.46 |
| Illinois | 4.90 | 5.43 | 4.70 | 6.29 | 5.72 | 6.81 | 5.21 | 4.70 |
| Indiana | NA | 5.54 | 4.50 | NA | NA | 6.35 | NA | 5.44 |
| Iowa | 4.54 | 5.00 | 4.15 | 7.53 | 4.17 | 5.48 | 5.19 | 3.72 |
| Kansas | 5.09 | 5.72 | 4.45 | 5.45 | 5.65 | 5.75 | 6.08 | 3.85 |
| Kentucky | 5.51 | 5.74 | 4.74 | 6.14 | 5.57 | 5.33 | 5.67 | 5.44 |
| Louisiana | NA | 6.19 | 5.94 | 5.85 | NA | 6.10 | 5.49 | 4.94 |
| Maine | 7.32 | 7.81 | 7.01 | 6.81 | ^R 6.70 | ^R 7.20 | 7.41 | 7.41 |
| Maryland | 6.42 | 6.34 | 6.02 | 8.19 | 6.65 | 7.82 | 6.82 | 6.15 |
| Massachusetts | 7.35 | 7.45 | 6.83 | 6.22 | 6.55 | 6.86 | 7.65 | 7.46 |
| Michigan | 4.83 | 4.85 | 4.60 | 5.88 | 5.38 | 5.21 | 4.92 | 4.58 |
| Minnesota | 4.48 | 4.86 | 4.45 | 4.66 | 4.46 | 4.63 | 4.53 | 4.41 |
| Mississippi | NA | 5.06 | 5.40 | NA | NA | NA | NA | NA |
| Missouri | 5.65 | 5.75 | 5.20 | 5.93 | 5.65 | 5.52 | 5.37 | 5.27 |
| Montana | NA | 4.61 | 4.58 | 6.06 | 5.47 | NA | 5.05 | 4.91 |
| Nebraska | 4.79 | 4.83 | 4.41 | 3.91 | 3.91 | 4.25 | 4.42 | 6.13 |
| Nevada | 5.76 | 5.01 | 4.87 | 6.08 | 5.91 | 5.75 | 5.76 | 5.69 |
| New Hampshire | NA | 7.83 | 6.52 | 6.59 | NA | ^R 5.98 | 6.06 | 7.64 |
| New Jersey | 4.17 | 6.35 | 6.42 | 3.96 | 3.74 | 3.84 | 4.17 | 3.83 |
| New Mexico | 4.22 | 4.68 | 3.31 | 4.88 | 6.66 | 5.15 | 4.42 | 3.91 |
| New York | NA | 6.64 | NA | NA | NA | NA | 6.20 | NA |
| North Carolina | 6.58 | 7.18 | 5.98 | 6.45 | 6.16 | 6.18 | 6.09 | 6.45 |
| North Dakota | 4.20 | 4.03 | 4.05 | 4.72 | 4.86 | 4.54 | 4.16 | 4.17 |
| Ohio | NA | 6.41 | 5.04 | NA | 6.30 | 5.76 | 5.79 | 5.62 |
| Oklahoma | 5.30 | 5.60 | 4.58 | 5.39 | 5.24 | 4.97 | 4.57 | 5.27 |
| Oregon | NA | 4.60 | 4.84 | 5.75 | 5.52 | 5.51 | NA | NA |
| Pennsylvania | NA | 7.50 | 6.24 | 8.03 | 8.25 | 8.23 | NA | 7.33 |
| Rhode Island | NA | 8.22 | 7.33 | 8.98 | 8.88 | NA | NA | 7.88 |
| South Carolina | 6.55 | 6.67 | 6.24 | 5.94 | 6.00 | 5.98 | 6.40 | 6.55 |
| South Dakota | 4.41 | 4.44 | 4.01 | 6.23 | 4.33 | 5.07 | 4.69 | 4.37 |
| Tennessee | NA | 5.98 | 5.73 | 5.98 | 5.95 | 5.83 | 5.68 | 5.55 |
| Texas | 4.64 | 5.02 | 4.09 | 4.30 | 4.12 | 4.44 | 4.75 | 4.32 |
| Utah | 4.26 | 3.66 | 3.30 | 4.37 | 3.93 | 3.93 | 3.76 | 4.36 |
| Vermont | 5.22 | 5.24 | 5.27 | 4.91 | 5.30 | 5.98 | 5.14 | 5.10 |
| Virginia | 6.02 | 6.47 | 5.70 | 5.76 | 6.14 | 5.44 | 5.63 | 5.82 |
| Washington | NA | NA | 4.78 | NA | NA | NA | NA | NA |
| West Virginia | NA | 6.35 | 6.12 | 6.86 | NA | 7.34 | 6.60 | 6.32 |
| Wisconsin | 4.97 | 5.35 | 4.72 | 4.82 | 4.44 | 4.16 | 4.75 | 5.24 |
| Wyoming | NA | 3.43 | 4.00 | NA | NA | 4.77 | 4.60 | 4.55 |
| Total | 5.54 | 5.83 | 5.33 | 5.63 | 5.53 | 5.61 | ^R 5.57 | ^R 5.38 |

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | 1997 | | | | | |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|-------------------|-------------------|
| | February | January | Total | December | November | October | September | August |
| Alabama | 6.47 | 6.65 | 7.04 | 6.61 | 6.83 | 7.46 | 7.59 | 7.50 |
| Alaska | 2.45 | 2.49 | 2.44 | 2.55 | 2.53 | 2.52 | 2.28 | 2.09 |
| Arizona | 5.59 | 5.65 | 5.33 | 5.56 | 5.83 | 5.83 | 5.82 | 5.34 |
| Arkansas | 5.19 | 5.14 | 5.21 | 5.12 | 5.45 | 5.75 | 5.54 | 5.18 |
| California | 6.75 | 6.69 | 6.48 | 7.04 | 7.09 | 6.70 | 5.88 | 5.00 |
| Colorado | ^R 4.07 | ^R 4.18 | ^R 3.98 | 4.37 | ^R 4.33 | 4.65 | 3.95 | 4.63 |
| Connecticut | 7.28 | 7.73 | 7.36 | 7.60 | 7.71 | 6.46 | 6.59 | 5.22 |
| Delaware | 6.72 | 6.70 | 6.78 | 6.65 | 6.97 | 7.56 | 7.28 | 8.64 |
| District of Columbia | 7.34 | 7.65 | 8.05 | 8.11 | 8.78 | 8.08 | 8.11 | 7.20 |
| Florida | 6.72 | 6.83 | 6.94 | 7.31 | 7.41 | 7.13 | 6.94 | 6.62 |
| Georgia | 5.86 | 6.16 | 6.37 | 5.66 | 5.46 | 5.98 | 6.28 | 7.00 |
| Hawaii | 14.41 | 14.35 | 14.97 | 14.02 | 14.75 | 14.75 | 14.62 | 15.09 |
| Idaho | 4.40 | 4.41 | 4.47 | 4.34 | 4.66 | 4.73 | 4.73 | 4.83 |
| Illinois | 4.25 | 4.76 | 5.45 | 5.24 | 5.28 | 5.82 | 6.24 | 6.10 |
| Indiana | 5.97 | 5.52 | 5.38 | 4.97 | 4.92 | 4.93 | 6.05 | 6.07 |
| Iowa | 4.08 | 4.71 | 5.23 | 5.20 | 5.53 | 5.97 | 7.44 | 6.44 |
| Kansas | 5.43 | 5.44 | 5.72 | 5.71 | 6.00 | 5.92 | 5.66 | 4.90 |
| Kentucky | 5.63 | 5.32 | 5.79 | 5.92 | 6.03 | 5.42 | 5.90 | 5.95 |
| Louisiana | 5.24 | 5.73 | 6.28 | 5.94 | 7.10 | 7.30 | 6.20 | 5.94 |
| Maine | 7.41 | 7.41 | 7.70 | 7.79 | 7.62 | 6.84 | 7.61 | 7.16 |
| Maryland | 6.18 | 6.14 | 6.47 | 6.35 | 7.11 | 7.18 | 6.89 | 6.22 |
| Massachusetts | 7.73 | 7.39 | 7.31 | 8.03 | 7.74 | 5.63 | 5.45 | 5.53 |
| Michigan | 4.76 | 4.77 | 4.92 | 4.79 | 4.95 | 5.40 | 5.97 | 5.96 |
| Minnesota | 4.42 | 4.50 | ^R 4.86 | 4.40 | 5.26 | 5.09 | ^R 5.34 | 4.41 |
| Mississippi | 4.35 | NA | ^R 5.13 | 5.08 | 5.58 | 5.98 | ^R 4.66 | ^R 4.89 |
| Missouri | 5.63 | 6.08 | 5.83 | 6.16 | 6.01 | 6.13 | 5.70 | 5.19 |
| Montana | 4.97 | 4.85 | 4.69 | 5.24 | 3.81 | 5.39 | 4.39 | 5.73 |
| Nebraska | 4.44 | 4.66 | 4.86 | 5.34 | 5.40 | 5.26 | 4.33 | 3.76 |
| Nevada | 5.76 | 5.63 | 5.13 | 5.36 | 5.47 | 5.48 | 5.22 | 5.22 |
| New Hampshire | 7.57 | 7.60 | 7.65 | 7.79 | 7.83 | 6.15 | 6.28 | 6.47 |
| New Jersey | 4.13 | 4.85 | 5.87 | 4.93 | 5.30 | 4.91 | 4.27 | 4.43 |
| New Mexico | 4.35 | 3.66 | 4.45 | 3.59 | 3.90 | 4.67 | 5.12 | 5.35 |
| New York | NA | NA | ^R 6.48 | 6.76 | 7.01 | 5.89 | 5.35 | ^R 4.75 |
| North Carolina | 6.72 | 7.05 | 6.99 | 6.96 | 6.70 | 6.18 | 6.46 | 6.44 |
| North Dakota | 4.13 | 4.03 | 4.34 | 4.92 | 5.11 | 4.97 | 5.15 | 4.51 |
| Ohio | 5.43 | 5.96 | 6.31 | 5.94 | 6.05 | 6.22 | 6.54 | 6.82 |
| Oklahoma | 5.56 | 5.53 | 5.50 | 5.37 | 5.32 | 5.54 | 5.02 | 4.94 |
| Oregon | 5.17 | 4.92 | 4.64 | 4.67 | 4.74 | 4.66 | 4.82 | 4.89 |
| Pennsylvania | 7.36 | 7.14 | 7.37 | 6.90 | 6.89 | 7.26 | 7.68 | 8.05 |
| Rhode Island | 7.78 | 7.75 | 8.21 | 7.98 | 8.02 | 8.00 | 8.77 | 9.12 |
| South Carolina | 6.91 | 6.92 | 6.30 | 6.84 | 6.75 | 6.10 | 3.26 | 6.03 |
| South Dakota | 4.10 | 4.12 | 4.71 | 5.06 | 5.22 | 5.50 | 6.51 | 5.22 |
| Tennessee | 6.37 | NA | 6.04 | 6.29 | 6.12 | 6.09 | 6.07 | 5.81 |
| Texas | 5.37 | 4.66 | 5.00 | 5.12 | 5.41 | 4.76 | 4.84 | 4.40 |
| Utah | 4.35 | 4.54 | 3.91 | 4.39 | 4.65 | 3.78 | 3.99 | 4.02 |
| Vermont | 5.23 | 5.21 | 5.18 | 5.15 | 4.99 | 4.91 | 5.01 | 5.43 |
| Virginia | 6.33 | 6.41 | ^R 6.47 | ^R 6.39 | 6.42 | 6.56 | 6.60 | 6.58 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | ^R 6.31 | 6.28 | 6.42 | 6.20 | 6.30 | 7.01 | 7.63 | 8.23 |
| Wisconsin | 4.96 | 5.12 | 5.41 | 5.52 | 6.04 | 4.88 | 4.85 | 4.71 |
| Wyoming | 4.56 | NA | 3.93 | 5.56 | 4.62 | 5.02 | 4.43 | 4.31 |
| Total | ^R 5.56 | ^R 5.59 | ^R 5.79 | 5.72 | ^R 5.87 | 5.73 | ^R 5.63 | ^R 5.38 |

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

| State | 1997 | | | | | | | 1996 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| | July | June | May | April | March | February | January | Total |
| Alabama | 7.60 | 7.22 | 6.85 | 7.11 | 7.26 | 6.92 | 6.97 | 6.19 |
| Alaska | 2.24 | 2.15 | 2.23 | 2.37 | 2.53 | 2.52 | 2.60 | 2.32 |
| Arizona | 5.22 | 5.21 | 5.19 | 5.09 | 5.27 | 5.11 | 5.01 | 5.01 |
| Arkansas | 5.32 | 5.37 | 5.14 | 4.90 | 4.86 | 5.07 | 5.42 | 4.68 |
| California | 5.90 | 6.32 | 5.33 | 6.10 | 6.71 | 6.98 | 7.18 | 5.94 |
| Colorado | 4.39 | 4.17 | ^R 4.02 | ^R 3.92 | ^R 3.91 | ^R 3.78 | ^R 3.26 | 3.67 |
| Connecticut | 5.63 | 5.76 | 7.00 | 7.24 | 7.66 | 8.45 | 8.09 | 7.41 |
| Delaware | 7.91 | 7.39 | 6.82 | 6.61 | 6.47 | 6.54 | 6.33 | 5.82 |
| District of Columbia | 6.92 | 7.03 | 6.87 | 10.06 | 7.61 | 7.97 | 8.24 | 7.37 |
| Florida | 6.98 | 6.93 | 6.89 | 6.74 | 6.96 | 6.84 | 6.56 | 6.45 |
| Georgia | 7.60 | 7.68 | 6.30 | 5.57 | 7.53 | 6.66 | 6.44 | 5.89 |
| Hawaii | 15.07 | 15.37 | 15.25 | 15.34 | 15.72 | 15.07 | 14.72 | 14.40 |
| Idaho | 4.76 | 4.78 | 4.66 | 4.62 | 4.36 | 4.29 | 4.30 | 4.56 |
| Illinois | 5.68 | 5.55 | 4.93 | 4.64 | 4.97 | 5.68 | 5.89 | 4.92 |
| Indiana | 6.50 | 6.28 | 6.15 | 5.97 | 5.37 | 5.43 | 5.14 | 4.67 |
| Iowa | 5.68 | 6.05 | 4.88 | 4.34 | 4.81 | 5.32 | 4.96 | 4.59 |
| Kansas | 4.95 | 4.90 | 5.25 | 5.17 | 5.46 | 6.25 | 6.12 | 4.61 |
| Kentucky | 6.20 | 6.00 | 5.53 | 5.85 | 5.72 | 5.80 | 5.61 | 5.09 |
| Louisiana | 5.39 | 6.19 | 6.08 | 5.08 | 5.83 | 6.48 | 7.08 | 6.08 |
| Maine | 7.12 | 6.94 | 6.67 | 8.28 | 8.10 | 8.12 | 7.75 | 7.09 |
| Maryland | 6.16 | 6.52 | 6.05 | 5.76 | 6.11 | 6.72 | 6.60 | 6.07 |
| Massachusetts | 5.34 | 5.04 | 5.44 | 7.94 | 8.14 | 8.28 | 7.97 | 6.74 |
| Michigan | 5.81 | 5.44 | 4.82 | 4.63 | 4.71 | 4.80 | 4.99 | 4.75 |
| Minnesota | 4.44 | 4.50 | 3.99 | 3.89 | 4.16 | 5.23 | 6.02 | 4.63 |
| Mississippi | ^R 4.41 | 4.79 | 5.08 | 4.93 | 4.61 | 5.17 | 5.61 | 5.22 |
| Missouri | 5.11 | 4.86 | 4.39 | 4.55 | 5.07 | 6.47 | 6.58 | 5.35 |
| Montana | 5.62 | 5.39 | 4.81 | 4.52 | 4.57 | 4.45 | 4.46 | 4.64 |
| Nebraska | 3.56 | 5.88 | 5.00 | 3.91 | 4.23 | 5.24 | 5.91 | 4.47 |
| Nevada | 5.11 | 5.07 | 5.12 | 5.18 | 4.95 | 4.86 | 4.97 | 4.90 |
| New Hampshire | 6.49 | 6.20 | 5.86 | 6.52 | 8.67 | 8.81 | 8.41 | 6.74 |
| New Jersey | 4.32 | 4.38 | 5.77 | 5.57 | 6.99 | 7.10 | 6.73 | 6.14 |
| New Mexico | 5.47 | 7.67 | 4.23 | 4.63 | 3.54 | 4.37 | 5.36 | 3.35 |
| New York | 4.22 | 4.99 | 5.84 | 6.20 | 6.85 | 7.53 | 8.13 | 6.88 |
| North Carolina | 6.44 | 5.99 | 6.02 | 6.50 | 7.85 | 7.67 | 7.52 | 6.18 |
| North Dakota | 4.96 | 4.54 | 4.25 | 3.66 | 3.65 | 4.09 | 4.24 | 3.91 |
| Ohio | 6.76 | 7.00 | 6.08 | 6.18 | 6.03 | 6.74 | 6.45 | 5.38 |
| Oklahoma | 4.93 | 5.15 | 4.97 | 4.81 | 5.26 | 5.75 | 6.40 | 4.70 |
| Oregon | 4.76 | 4.79 | 4.62 | 4.61 | 4.57 | 4.55 | 4.56 | 4.85 |
| Pennsylvania | 8.12 | 8.13 | 7.99 | 7.70 | 7.37 | 7.55 | 7.07 | 6.44 |
| Rhode Island | 8.96 | 8.77 | 8.07 | 8.46 | 8.17 | 8.20 | 7.88 | 7.50 |
| South Carolina | 5.90 | 5.92 | 5.92 | 6.59 | 7.20 | 6.87 | 7.18 | 6.26 |
| South Dakota | 5.44 | 6.09 | 4.77 | 4.04 | 3.96 | 4.28 | 4.61 | 4.20 |
| Tennessee | 5.91 | ^R 5.43 | 5.39 | 5.01 | ^R 6.05 | 6.19 | 6.51 | 5.72 |
| Texas | 4.51 | 4.80 | 4.60 | 4.29 | 4.42 | 5.28 | 6.00 | 4.27 |
| Utah | 3.82 | 3.60 | 3.37 | 3.09 | 3.81 | 3.75 | 3.81 | 3.38 |
| Vermont | 5.42 | 5.41 | 5.58 | 5.10 | 5.15 | 5.21 | 5.24 | 5.24 |
| Virginia | 6.68 | 6.10 | 6.31 | 6.29 | 5.93 | 6.61 | 6.97 | 5.93 |
| Washington | NA | NA | 4.83 | 4.21 | 4.71 | 4.72 | 4.65 | 4.80 |
| West Virginia | 8.53 | 7.78 | 6.81 | 6.42 | 6.22 | 6.13 | 6.09 | 6.03 |
| Wisconsin | 4.30 | 4.74 | 3.83 | 5.07 | 5.03 | 5.60 | 6.14 | 4.83 |
| Wyoming | 4.11 | 3.93 | 2.65 | 3.59 | 3.46 | 3.53 | 3.41 | 3.68 |
| Total | ^R 5.34 | 5.61 | ^R 5.39 | ^R 5.47 | ^R 5.74 | ^R 6.10 | 6.15 | 5.40 |

^R = Revised Data.

NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | | | |
|----------------------------|-------------|-------------|-------------|------|-------------------|-------------------|-------|-------|
| | | | | July | June | May | April | March |
| Alabama | 3.28 | 3.44 | 3.67 | 3.15 | 3.11 | 3.16 | 3.44 | 3.03 |
| Alaska | 1.43 | 1.53 | 1.45 | 1.22 | 1.40 | 1.43 | 1.42 | 1.45 |
| Arizona | 3.48 | 3.85 | 3.82 | 3.36 | 3.51 | 3.44 | 3.45 | 3.33 |
| Arkansas | 3.54 | 3.58 | 3.14 | 3.47 | 3.28 | 3.28 | 3.39 | 3.78 |
| California | 3.80 | 4.09 | 3.70 | 3.48 | 3.38 | 2.88 | 3.97 | 3.31 |
| Colorado | NA | 2.52 | 0.63 | NA | NA | 2.48 | 2.26 | 2.62 |
| Connecticut | 4.53 | 4.89 | 4.94 | 3.61 | 3.69 | 4.13 | 4.55 | 4.74 |
| Delaware | 4.21 | 4.25 | 4.12 | 4.32 | 4.35 | 4.32 | 4.63 | 3.79 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 4.42 | 4.48 | 4.23 | 4.37 | 4.20 | 4.46 | 4.58 | 4.40 |
| Georgia | 5.20 | 5.32 | 4.73 | 3.85 | 4.90 | 5.30 | 5.15 | 5.18 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho ^a | 3.08 | 2.74 | 2.90 | 2.97 | 3.10 | 3.09 | 3.10 | 3.25 |
| Illinois | 4.09 | 4.69 | 4.04 | 3.10 | 4.49 | 4.18 | 4.02 | 4.08 |
| Indiana | NA | 4.30 | 3.51 | NA | ^R 4.53 | 4.51 | NA | 4.56 |
| Iowa | 1.60 | 3.93 | 3.49 | 4.14 | 3.18 | ^R 3.39 | 0.73 | 0.64 |
| Kansas | 3.14 | 3.53 | 2.88 | 2.44 | 3.11 | 3.31 | 3.56 | 3.61 |
| Kentucky | 3.91 | 4.21 | 3.78 | 3.61 | 3.48 | 3.21 | 3.85 | 3.79 |
| Louisiana | 2.53 | 2.88 | 2.89 | 2.30 | 2.43 | 2.62 | 2.19 | 2.89 |
| Maine | 5.33 | 5.66 | 5.37 | 4.17 | ^R 4.10 | ^R 4.70 | 6.02 | 6.02 |
| Maryland | NA | 4.76 | 5.34 | 6.15 | NA | 5.02 | 5.10 | 4.68 |
| Massachusetts | 6.17 | 6.31 | 5.65 | 4.83 | ^R 4.89 | ^R 4.66 | 6.64 | 6.77 |
| Michigan | 3.94 | 4.16 | 3.88 | 4.77 | 4.32 | 4.01 | 3.81 | 3.61 |
| Minnesota | 2.93 | 3.16 | 2.93 | 2.84 | 2.09 | 3.03 | 3.06 | 3.08 |
| Mississippi | NA | 3.41 | 3.44 | NA | NA | NA | NA | NA |
| Missouri | 4.53 | 4.61 | 4.24 | 3.73 | 4.27 | 4.25 | 4.30 | 4.27 |
| Montana | 4.75 | 4.83 | 4.82 | 6.88 | 3.72 | ^R 5.89 | 5.22 | 5.02 |
| Nebraska | 3.31 | 3.62 | 3.12 | 3.20 | 3.34 | ^R 3.34 | 3.35 | 3.34 |
| Nevada | 5.92 | 7.26 | 4.92 | 5.86 | 5.81 | 5.94 | 5.84 | 6.00 |
| New Hampshire | 4.69 | 4.99 | 4.39 | 3.58 | ^R 3.38 | ^R 3.90 | 3.77 | 5.47 |
| New Jersey | 3.41 | 3.96 | 3.95 | 3.17 | 3.39 | 3.43 | 3.42 | 3.24 |
| New Mexico | 3.47 | 3.26 | 2.99 | 3.13 | 3.45 | 3.77 | 4.00 | 4.09 |
| New York | NA | 5.03 | 5.23 | NA | NA | NA | 4.49 | 15.18 |
| North Carolina | 4.04 | 4.81 | 4.25 | 3.60 | 3.57 | 3.68 | 3.63 | 4.19 |
| North Dakota | 3.06 | 3.04 | 3.24 | 2.85 | 2.60 | 3.15 | 3.10 | 3.22 |
| Ohio | NA | 5.80 | 4.11 | NA | 5.05 | 4.98 | 5.21 | 5.67 |
| Oklahoma | 3.81 | 4.09 | 3.10 | 3.41 | 3.43 | 3.13 | 3.32 | 4.12 |
| Oregon | NA | 3.55 | 3.20 | NA | 3.77 | 3.75 | NA | NA |
| Pennsylvania | 4.40 | 4.91 | 4.20 | 3.94 | 4.09 | 4.05 | 4.40 | 4.57 |
| Rhode Island | NA | 4.35 | 4.54 | 3.59 | 3.58 | NA | 3.86 | 4.06 |
| South Carolina | 3.42 | 3.63 | 3.79 | 3.37 | 3.21 | 3.31 | 3.42 | 3.53 |
| South Dakota | 3.34 | 3.94 | 2.84 | 3.21 | 3.54 | 3.44 | 3.37 | 3.38 |
| Tennessee | NA | NA | 3.88 | 4.37 | 3.50 | 3.54 | 3.64 | 3.59 |
| Texas | 2.47 | 2.69 | 2.48 | 2.53 | 2.24 | 2.44 | 2.49 | 2.49 |
| Utah | 3.02 | 2.43 | 2.10 | 3.20 | 2.78 | 2.90 | 2.95 | 3.05 |
| Vermont | 2.91 | 3.09 | 3.59 | 2.78 | 2.78 | 2.87 | 2.86 | 2.94 |
| Virginia | 4.03 | 4.53 | 4.18 | 3.61 | 3.44 | 3.01 | 3.45 | 4.08 |
| Washington | NA | NA | 2.51 | NA | NA | NA | NA | NA |
| West Virginia | NA | 2.91 | 2.74 | NA | NA | NA | 2.97 | 2.79 |
| Wisconsin | 4.01 | 4.02 | 3.37 | 3.76 | 3.44 | 3.69 | 4.20 | 4.17 |
| Wyoming | NA | 3.37 | 3.10 | NA | 3.82 | 4.19 | 4.12 | NA |
| Total | 3.30 | 3.55 | 3.40 | 2.99 | ^R 2.95 | ^R 3.10 | 3.22 | 3.41 |

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | 1997 | | | | | |
|----------------------------|----------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | February | January | Total | December | November | October | September | August |
| Alabama | 3.50 | 3.47 | 3.46 | 3.57 | 3.62 | 3.66 | 3.21 | 3.21 |
| Alaska | 1.52 | 1.56 | 1.54 | 1.56 | 1.55 | 1.54 | 1.57 | 1.56 |
| Arizona | 3.76 | 3.53 | 3.56 | 3.37 | 3.20 | 3.68 | 3.26 | 3.10 |
| Arkansas | 3.62 | 3.77 | 3.70 | 3.98 | 4.28 | 3.87 | 3.58 | 3.57 |
| California | 5.34 | 4.55 | 4.07 | 4.45 | 4.63 | 4.28 | 3.50 | 3.42 |
| Colorado | 2.58 | 2.69 | 2.65 | ^R 2.74 | ^R 3.56 | 2.95 | 2.40 | 2.28 |
| Connecticut | 5.13 | 5.12 | 4.72 | 4.81 | 4.96 | 4.29 | 4.07 | 3.86 |
| Delaware | 4.08 | 4.22 | 4.32 | 4.60 | 4.69 | 4.55 | 4.06 | 4.07 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 4.29 | 4.59 | 4.63 | 4.94 | 5.21 | 5.02 | 4.79 | 4.64 |
| Georgia | 5.37 | 5.63 | 5.18 | 4.61 | 5.04 | 4.80 | 6.43 | 4.68 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho ^a | 3.02 | 3.06 | 2.73 | 2.77 | 2.74 | 2.72 | 2.69 | 2.68 |
| Illinois | 4.12 | 4.22 | 4.71 | 4.92 | 5.69 | 4.57 | 3.83 | 4.48 |
| Indiana | 4.29 | 4.68 | 4.11 | 4.28 | 3.48 | 3.57 | 4.07 | 3.95 |
| Iowa | 2.42 | 3.43 | 4.12 | 4.56 | 4.55 | 4.42 | 3.90 | 3.52 |
| Kansas | 3.67 | 3.91 | ^R 3.63 | ^R 3.94 | 4.18 | 4.33 | 3.44 | 3.10 |
| Kentucky | 4.51 | 4.59 | 4.36 | 5.01 | 5.39 | 4.35 | 3.99 | 3.87 |
| Louisiana | 2.22 | 2.90 | 2.96 | 3.12 | 3.52 | 3.54 | 2.86 | 2.49 |
| Maine | 6.02 | 6.02 | 5.55 | 7.19 | 5.88 | 4.68 | 4.65 | 4.43 |
| Maryland | 4.82 | 5.42 | 4.76 | 5.49 | 5.32 | 4.36 | 4.87 | 4.49 |
| Massachusetts | 6.70 | 6.79 | ^R 6.04 | 7.02 | 6.63 | 4.54 | 4.19 | 4.02 |
| Michigan | 4.11 | 3.90 | 4.19 | 4.19 | 4.24 | 4.51 | 4.16 | 4.53 |
| Minnesota | 3.00 | 3.25 | 3.26 | 3.24 | 3.86 | 3.80 | 3.06 | 2.74 |
| Mississippi | 3.22 | NA | 3.49 | 3.53 | 4.04 | 3.86 | ^R 3.26 | ^R 3.24 |
| Missouri | 4.69 | 5.30 | 4.62 | 5.36 | 5.04 | 4.35 | 3.89 | 3.88 |
| Montana | 4.85 | 4.82 | 4.87 | 4.93 | 4.88 | 4.99 | 4.98 | 4.98 |
| Nebraska | 3.27 | 3.30 | 3.74 | 3.97 | 4.32 | 4.15 | 3.48 | 3.38 |
| Nevada | 6.06 | 5.90 | 7.89 | 8.10 | 9.69 | 11.58 | 9.23 | 7.42 |
| New Hampshire | 5.84 | 7.08 | 4.94 | 7.42 | 6.53 | 4.54 | 3.47 | 3.46 |
| New Jersey | 3.42 | 3.71 | ^R 3.84 | 4.33 | 4.41 | 3.79 | 3.31 | 2.72 |
| New Mexico | 5.84 | 2.16 | 3.12 | 2.38 | 2.96 | 3.56 | 3.24 | 3.02 |
| New York | NA | NA | ^R 4.92 | 5.42 | 5.48 | 4.95 | 3.88 | ^R 3.71 |
| North Carolina | 4.41 | 4.95 | ^R 4.73 | 5.10 | 5.05 | 4.13 | 4.30 | ^R 4.22 |
| North Dakota | 3.01 | 3.22 | 3.23 | 3.43 | 3.85 | 4.07 | 3.35 | 3.66 |
| Ohio | 5.06 | 5.62 | 5.70 | 5.60 | 5.54 | 4.99 | 5.55 | 5.38 |
| Oklahoma | 4.18 | 4.10 | 4.05 | 4.26 | 4.37 | 4.10 | 3.44 | 3.33 |
| Oregon | 3.73 | 3.67 | ^R 3.50 | 3.91 | 3.65 | ^R 3.37 | 3.03 | 2.96 |
| Pennsylvania | 4.55 | 4.80 | 4.73 | 4.56 | 4.59 | 4.46 | 4.21 | 4.14 |
| Rhode Island | 4.25 | 4.59 | 4.33 | 5.04 | 4.59 | 4.28 | 4.08 | 3.66 |
| South Carolina | 3.38 | 3.67 | 3.68 | 3.95 | 4.26 | 3.97 | 3.23 | 3.25 |
| South Dakota | 3.25 | 3.30 | 4.01 | 3.71 | 4.36 | 4.64 | 4.16 | 3.96 |
| Tennessee | 3.98 | NA | NA | 4.47 | ^R 4.33 | 4.16 | ^R 3.63 | 3.44 |
| Texas | 2.44 | 2.66 | NA | 2.80 | 3.51 | 3.29 | NA | 2.34 |
| Utah | 3.19 | 3.06 | 2.62 | 3.11 | 2.98 | 2.81 | 2.61 | 2.81 |
| Vermont | 3.01 | 3.06 | 3.07 | 3.11 | 3.12 | 2.97 | 3.00 | 2.96 |
| Virginia | 4.99 | 4.81 | 4.25 | 4.27 | 3.97 | 3.44 | 3.98 | 3.95 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 2.75 | 2.81 | 2.87 | 2.75 | 2.68 | 2.89 | 2.93 | 2.84 |
| Wisconsin | 4.48 | 3.79 | 4.12 | 4.53 | 5.05 | 4.19 | 3.54 | 3.24 |
| Wyoming | NA | 3.29 | 3.39 | 3.55 | 3.55 | 3.32 | 3.32 | 3.34 |
| Total | 3.52 | 3.68 | ^R 3.55 | 3.79 | ^R 4.08 | 3.66 | ^R 3.20 | ^R 2.94 |

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

| State | 1997 | | | | | | | 1996 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| | July | June | May | April | March | February | January | Total |
| Alabama | 3.08 | 3.20 | 3.19 | 2.96 | 3.15 | 3.91 | 4.57 | 3.64 |
| Alaska | 1.56 | 1.48 | 1.44 | 1.53 | 1.55 | 1.57 | 1.55 | 1.41 |
| Arizona | 3.16 | 3.90 | 3.90 | 4.31 | 4.06 | 3.74 | 4.32 | 3.80 |
| Arkansas | 3.42 | 3.37 | 3.17 | 3.19 | 3.31 | 3.78 | 4.45 | 3.28 |
| California | 3.79 | 4.00 | 2.51 | 3.45 | 4.24 | 5.32 | 5.49 | 3.77 |
| Colorado | 2.19 | 2.17 | 2.30 | 2.17 | ^R 2.29 | ^R 3.12 | 3.89 | 2.91 |
| Connecticut | 3.93 | 4.02 | 4.22 | 4.46 | 4.91 | 5.76 | 6.11 | 4.80 |
| Delaware | 4.04 | 3.99 | 3.62 | 3.62 | 4.35 | 5.03 | 5.29 | 4.32 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 4.32 | 4.40 | 4.34 | 4.41 | 4.42 | 4.68 | 4.69 | 4.21 |
| Georgia | 4.81 | 6.14 | 4.67 | 4.39 | 5.07 | 5.63 | 6.40 | 4.40 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho ^a | 2.80 | 2.52 | 2.73 | 2.75 | 2.75 | 2.76 | 2.78 | 2.78 |
| Illinois | 4.15 | 3.16 | 3.00 | 4.10 | 4.80 | 5.86 | 6.49 | 4.12 |
| Indiana | 3.91 | 4.38 | 4.50 | 4.67 | 4.41 | 4.21 | 4.19 | 3.62 |
| Iowa | 4.11 | 3.37 | 3.96 | 3.14 | 4.04 | 4.73 | 3.94 | 3.63 |
| Kansas | 3.01 | 3.03 | ^R 3.47 | ^R 2.72 | ^R 2.86 | ^R 4.00 | ^R 5.27 | 3.09 |
| Kentucky | 3.90 | 3.61 | 3.73 | 3.82 | 3.97 | 4.67 | 4.78 | 3.87 |
| Louisiana | 2.76 | 2.71 | 2.39 | 2.34 | 2.09 | 3.49 | 4.19 | 2.84 |
| Maine | 4.40 | 4.45 | 4.10 | 5.77 | 7.08 | 7.10 | 6.95 | 5.22 |
| Maryland | 5.38 | 4.67 | 4.71 | 20.15 | 5.67 | ^R 1.64 | 5.31 | 5.36 |
| Massachusetts | 4.19 | 3.73 | ^R 5.22 | 6.35 | 7.12 | 8.35 | 7.49 | 5.37 |
| Michigan | 4.60 | 4.41 | 4.24 | 4.12 | 4.15 | 4.02 | 4.16 | 3.87 |
| Minnesota | 2.74 | 2.72 | 2.67 | 2.58 | 2.74 | 3.73 | 4.66 | 2.97 |
| Mississippi | ^R 3.17 | 3.21 | 3.06 | 2.98 | 2.93 | 3.80 | 4.45 | 3.43 |
| Missouri | 3.81 | 3.81 | 3.45 | 3.78 | 4.48 | 5.94 | 5.35 | 4.35 |
| Montana | 4.96 | 4.88 | 4.85 | 4.84 | 4.84 | 4.80 | 4.79 | 4.88 |
| Nebraska | 3.09 | 3.02 | 2.77 | 2.66 | 3.19 | 4.14 | 5.16 | 3.29 |
| Nevada | 7.08 | 7.50 | 7.77 | 5.80 | 4.67 | 8.34 | 9.50 | 4.90 |
| New Hampshire | 3.42 | 3.62 | 3.59 | 4.02 | 6.10 | 7.97 | 7.94 | 4.79 |
| New Jersey | 3.35 | 3.32 | 3.09 | 2.87 | 4.82 | ^R 5.05 | 4.92 | 3.82 |
| New Mexico | 2.92 | 3.71 | 2.96 | 5.10 | 3.40 | 4.02 | 3.01 | 2.90 |
| New York | ^R 3.84 | 4.32 | 4.49 | 4.58 | 5.22 | 5.72 | 5.93 | 5.04 |
| North Carolina | 4.00 | 3.64 | 4.01 | 4.14 | 4.80 | 5.41 | 5.63 | 4.37 |
| North Dakota | 3.14 | 3.02 | 2.42 | 2.37 | 1.60 | 4.94 | 4.39 | 3.02 |
| Ohio | 4.42 | 6.70 | 4.50 | 5.96 | 5.49 | 6.71 | 5.77 | 4.10 |
| Oklahoma | 3.34 | 3.32 | 2.75 | 3.08 | 3.90 | 4.53 | 5.41 | 3.26 |
| Oregon | 3.15 | 3.10 | ^R 3.48 | 3.57 | 3.68 | 3.80 | 3.73 | 3.24 |
| Pennsylvania | 4.59 | 4.70 | 4.48 | 4.73 | 4.91 | 5.25 | 5.25 | 4.12 |
| Rhode Island | 3.78 | 3.74 | 4.72 | 3.56 | 4.50 | 5.52 | 5.64 | 4.67 |
| South Carolina | 3.40 | 3.32 | 3.26 | 3.21 | 3.43 | 4.22 | 4.74 | 3.77 |
| South Dakota | 4.49 | 4.08 | 3.55 | 3.12 | 3.00 | 4.00 | 4.99 | 3.50 |
| Tennessee | 3.09 | ^R 3.47 | 3.19 | 3.40 | NA | 4.75 | 4.80 | 3.92 |
| Texas | 2.41 | 2.46 | 2.31 | 2.03 | 2.08 | 3.19 | 4.10 | 2.58 |
| Utah | 2.70 | 2.27 | 2.27 | 2.31 | 2.53 | 2.53 | 2.44 | 2.10 |
| Vermont | 2.97 | 3.01 | 3.05 | 2.98 | 3.10 | 3.14 | 3.32 | 3.44 |
| Virginia | 3.82 | 3.88 | 4.03 | 3.11 | 4.79 | 5.51 | 6.33 | 4.07 |
| Washington | NA | NA | 2.94 | 2.75 | 2.88 | 3.58 | 4.36 | 2.67 |
| West Virginia | 2.91 | 2.72 | 2.81 | 2.49 | 2.78 | 3.03 | 3.44 | 2.76 |
| Wisconsin | 3.20 | 3.28 | 2.98 | 3.89 | 3.55 | 4.41 | 5.06 | 3.48 |
| Wyoming | 3.38 | 3.35 | 3.24 | 3.40 | 3.40 | 3.41 | 3.40 | 3.14 |
| Total | ^R 3.05 | 3.07 | ^R 2.93 | 3.00 | ^R 3.37 | ^R 4.22 | ^R 4.65 | 3.42 |

^R = Revised Data.

NA = Not Available.

— = Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,
by State, 1996-1998**
(Dollars per Thousand Cubic Feet)

| State | YTD 1998 | YTD 1997 | YTD 1996 | 1998 | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | June | May | April | March | February |
| Alabama | 2.56 | 2.71 | 2.77 | 2.49 | 2.62 | 2.69 | 2.55 | 2.44 |
| Alaska | 1.85 | 1.66 | 1.27 | 1.87 | 1.84 | 1.84 | 1.85 | 1.88 |
| Arizona | 2.85 | 3.38 | 3.15 | 2.79 | 3.20 | 2.82 | 3.07 | 2.56 |
| Arkansas | 2.36 | 2.45 | 2.55 | 2.33 | 2.33 | 2.56 | 2.36 | 2.16 |
| California | 2.83 | 3.11 | 2.66 | 2.70 | 2.94 | 2.71 | 2.85 | 2.79 |
| Colorado | 2.70 | 3.52 | 1.79 | 2.83 | 2.56 | 2.53 | 2.61 | 2.65 |
| Connecticut | 2.54 | 2.49 | 2.68 | 2.38 | 2.56 | 2.70 | 2.79 | 2.63 |
| Delaware | 2.74 | 3.09 | 3.70 | 3.27 | 1.34 | 1.41 | 4.15 | 3.21 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 2.41 | 3.08 | 3.18 | 2.31 | 2.31 | 2.68 | 2.64 | 2.49 |
| Georgia | 2.95 | 2.98 | 3.67 | 2.91 | 3.72 | 1.94 | 1.72 | 2.88 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | — | — | — | — | — | — | — | — |
| Illinois | 2.37 | 2.35 | 2.77 | 2.37 | 2.37 | 2.55 | 2.34 | 2.28 |
| Indiana | 3.03 | 3.21 | 3.46 | 2.95 | 2.98 | 3.37 | 3.25 | 2.64 |
| Iowa | 3.09 | 3.34 | 3.34 | 2.86 | 3.16 | 3.14 | 3.35 | 3.00 |
| Kansas | 2.24 | 2.33 | 2.22 | 2.14 | 2.20 | 2.40 | 2.36 | 1.97 |
| Kentucky | 3.74 | 3.46 | 3.59 | 3.68 | 3.59 | 5.25 | 4.04 | 3.58 |
| Louisiana | 2.51 | 2.70 | 3.09 | 2.40 | 2.52 | 2.66 | 2.51 | 2.47 |
| Maine | — | — | — | — | — | — | — | — |
| Maryland | 3.08 | 3.11 | 3.51 | 2.93 | 2.96 | 3.33 | 3.18 | 3.32 |
| Massachusetts | 3.03 | 2.94 | 3.64 | 2.24 | 2.86 | 3.66 | 3.64 | 2.95 |
| Michigan | 1.03 | 0.62 | 0.81 | 1.29 | 1.20 | 1.35 | 0.75 | 0.84 |
| Minnesota | 2.61 | 2.32 | 2.28 | 2.42 | 2.74 | 2.76 | 2.83 | 2.62 |
| Mississippi | 2.43 | 2.63 | 3.33 | 2.36 | 2.41 | 2.56 | 2.46 | 2.46 |
| Missouri | 2.41 | 2.73 | 2.56 | 2.41 | 2.31 | 2.56 | 2.52 | 2.82 |
| Montana | 6.20 | 5.60 | 7.37 | 2.59 | 5.34 | 1.40 | 12.33 | 8.49 |
| Nebraska | 2.39 | 2.18 | 1.85 | 2.37 | 2.40 | 1.98 | 2.72 | 4.47 |
| Nevada | 2.41 | 2.06 | 2.05 | 2.73 | 2.44 | 2.31 | 2.02 | 2.37 |
| New Hampshire | — | 2.72 | — | — | — | — | — | — |
| New Jersey | 2.81 | 2.94 | 3.12 | 2.73 | 2.77 | 3.05 | 2.88 | 2.83 |
| New Mexico | 2.33 | 2.56 | 2.10 | 2.20 | 2.33 | 2.41 | 2.39 | 2.30 |
| New York | 2.77 | 2.81 | 3.21 | 2.51 | 2.64 | 2.87 | 2.96 | 2.95 |
| North Carolina | 2.83 | 2.85 | 2.85 | 2.78 | 2.89 | 3.37 | 4.03 | — |
| North Dakota | — | 3.49 | 3.00 | — | — | — | — | — |
| Ohio | 3.15 | 3.57 | 3.41 | 2.79 | 3.06 | 4.01 | 4.14 | 3.16 |
| Oklahoma | 2.76 | 3.12 | 3.12 | 2.41 | 2.52 | 2.88 | 2.62 | 2.72 |
| Oregon | 1.24 | 1.70 | — | 1.31 | 1.50 | 1.36 | 1.23 | 1.03 |
| Pennsylvania | 3.16 | 3.01 | 3.44 | 2.32 | 5.37 | 5.94 | 2.69 | 2.64 |
| Rhode Island | 3.37 | 3.21 | 2.29 | 3.40 | 3.43 | 3.45 | 3.19 | 3.24 |
| South Carolina | 3.74 | 3.61 | 4.14 | 3.92 | 3.41 | 3.44 | 3.58 | 3.53 |
| South Dakota | — | — | — | — | — | — | — | — |
| Tennessee | — | — | 1.20 | — | — | — | — | — |
| Texas | 2.41 | 2.60 | 2.44 | 2.34 | 2.38 | 2.52 | 2.43 | 2.41 |
| Utah | 1.94 | 4.82 | 9.53 | 1.94 | — | — | — | — |
| Vermont | 2.92 | 3.08 | 3.03 | 2.81 | 3.03 | 3.08 | 2.81 | 2.77 |
| Virginia | 3.22 | 2.84 | 2.89 | 2.93 | 2.99 | 4.46 | 3.34 | 3.78 |
| Washington | 2.79 | 7.15 | 5.16 | — | — | 5.59 | 3.86 | 4.11 |
| West Virginia | 3.56 | 4.08 | 3.58 | 2.62 | 3.58 | — | — | — |
| Wisconsin | 2.81 | 2.93 | 2.89 | 2.64 | 2.95 | 3.13 | 2.75 | 2.91 |
| Wyoming | 8.52 | 11.54 | 12.75 | 7.66 | 11.70 | 4.77 | 10.42 | 8.72 |
| Total | 2.50 | 2.75 | 2.70 | 2.40 | 2.46 | 2.59 | 2.54 | 2.51 |

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,
by State, 1996-1998**
(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | 1997 | | | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | January | Total | December | November | October | September | August | July |
| Alabama | 2.86 | 2.76 | 2.90 | 3.70 | 3.75 | 2.88 | 2.56 | 2.51 |
| Alaska | 1.85 | 1.74 | 1.84 | 1.84 | 1.85 | 1.88 | 1.69 | 1.87 |
| Arizona | 2.84 | 2.99 | 2.86 | 4.00 | 3.11 | 3.37 | 2.63 | 2.20 |
| Arkansas | 2.25 | 2.60 | 2.24 | 3.12 | 3.12 | 2.89 | 2.64 | 2.38 |
| California | 2.94 | 3.07 | 2.96 | 3.64 | 3.40 | 3.14 | 2.81 | 2.69 |
| Colorado | 3.01 | 3.21 | 2.93 | 3.90 | 2.37 | 2.42 | 2.77 | 4.07 |
| Connecticut | 2.74 | 2.55 | 2.74 | 3.38 | 2.76 | 2.37 | 2.35 | 2.33 |
| Delaware | 5.34 | 3.15 | 4.28 | 2.58 | 5.69 | 3.40 | 3.00 | 2.83 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 2.25 | 3.20 | 3.19 | 4.06 | 4.05 | 3.41 | 2.97 | 2.94 |
| Georgia | 2.35 | 2.76 | 4.97 | 3.33 | 3.94 | 3.07 | 2.27 | 2.75 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | — | — | — | — | — | — | — | — |
| Illinois | 2.25 | 2.54 | 2.48 | 3.31 | 3.13 | 2.82 | 2.39 | 2.31 |
| Indiana | 3.84 | 3.27 | 3.67 | 4.03 | 5.25 | 3.67 | 3.39 | 2.77 |
| Iowa | 3.36 | 3.27 | 2.99 | 4.16 | 3.81 | 3.28 | 3.12 | 2.70 |
| Kansas | 3.35 | 2.48 | 3.33 | 3.02 | 3.05 | 2.70 | 2.13 | 2.06 |
| Kentucky | 3.46 | 3.34 | 3.47 | 4.24 | 4.00 | 3.25 | 2.92 | 2.87 |
| Louisiana | 2.61 | 2.80 | 2.86 | 3.61 | 3.40 | 3.03 | 2.60 | 2.44 |
| Maine | — | — | — | — | — | — | — | — |
| Maryland | 3.75 | 2.97 | 3.61 | 4.10 | 3.91 | 3.42 | 2.89 | 2.35 |
| Massachusetts | 3.16 | 3.11 | 3.57 | 4.08 | 4.08 | 3.21 | 2.87 | 2.81 |
| Michigan | 0.51 | 0.79 | 0.47 | 1.08 | 1.59 | 0.73 | 0.58 | 0.96 |
| Minnesota | 2.63 | 2.54 | 2.99 | 3.72 | 3.67 | 3.56 | 2.43 | 2.43 |
| Mississippi | 2.48 | 2.75 | 2.80 | 3.51 | 3.35 | 3.02 | 2.61 | 2.46 |
| Missouri | 2.63 | 2.67 | 2.77 | 3.52 | 3.35 | 2.94 | 2.51 | 2.39 |
| Montana | 4.61 | 7.62 | 4.18 | 6.84 | 2.98 | 64.31 | 1.92 | 1.37 |
| Nebraska | 2.72 | 2.58 | 4.94 | 4.29 | 3.21 | 2.98 | 2.49 | 2.32 |
| Nevada | 2.41 | 2.17 | 2.16 | 2.80 | 2.64 | 2.39 | 2.02 | 1.98 |
| New Hampshire | — | 2.71 | — | — | — | 2.85 | 2.55 | 2.74 |
| New Jersey | 2.98 | 3.07 | 3.20 | 4.19 | 4.23 | 3.42 | 2.87 | 2.80 |
| New Mexico | 2.43 | 2.64 | 2.55 | 3.02 | 3.05 | 2.82 | 2.47 | 2.46 |
| New York | 3.00 | 2.89 | 3.38 | 3.83 | 3.39 | 2.89 | 2.60 | 2.58 |
| North Carolina | 3.02 | 3.16 | 3.60 | 4.95 | 3.68 | 3.38 | 3.09 | 3.12 |
| North Dakota | — | 3.81 | — | — | — | — | — | 4.00 |
| Ohio | 3.32 | 3.66 | 4.13 | 4.12 | 4.00 | 4.35 | 4.28 | 3.10 |
| Oklahoma | 4.47 | 2.97 | 2.89 | 4.05 | 3.46 | 3.20 | 2.48 | 2.37 |
| Oregon | 1.14 | 1.48 | 1.48 | 1.44 | 1.45 | 1.49 | 1.49 | 1.35 |
| Pennsylvania | 2.79 | 2.86 | 3.16 | 3.69 | 3.65 | 2.99 | 2.81 | 2.54 |
| Rhode Island | 3.48 | 3.39 | 3.78 | 4.05 | 4.02 | 3.32 | 3.04 | 2.98 |
| South Carolina | 4.05 | 4.15 | 4.46 | 4.00 | 4.10 | 4.54 | 4.54 | 4.35 |
| South Dakota | — | — | — | — | — | — | — | — |
| Tennessee | — | — | — | — | — | — | — | — |
| Texas | 2.49 | 2.70 | 2.74 | 3.33 | 3.15 | 2.85 | 2.50 | 2.39 |
| Utah | — | 2.11 | — | — | 2.00 | 2.66 | 1.79 | 1.86 |
| Vermont | 3.02 | 3.27 | 3.42 | 4.21 | 3.96 | — | 2.90 | 2.95 |
| Virginia | 3.05 | 2.99 | 2.54 | 4.09 | 4.73 | 3.77 | 2.95 | 2.58 |
| Washington | 1.64 | 5.54 | 5.73 | 5.16 | 4.21 | 8.62 | 0.67 | 4.83 |
| West Virginia | 5.59 | 3.87 | 3.31 | 3.00 | 3.29 | 3.41 | 3.71 | 3.79 |
| Wisconsin | 2.90 | 3.04 | 2.92 | 4.11 | 3.94 | 3.09 | 2.85 | 3.12 |
| Wyoming | 5.39 | 9.31 | 1.63 | 3.43 | 4.88 | 7.74 | 34.13 | 20.44 |
| Total | 2.64 | 2.81 | 2.85 | 3.48 | 3.30 | 2.99 | 2.58 | 2.49 |

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1996-1998
(Dollars per Thousand Cubic Feet) — Continued

| State | 1997 | | | | | | 1996 | |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | June | May | April | March | February | January | Total | December |
| Alabama | 2.65 | 2.44 | 3.21 | 2.12 | 2.04 | 4.37 | 2.95 | 4.32 |
| Alaska | 1.79 | 1.64 | 1.63 | 1.55 | 1.69 | 1.68 | 1.45 | 1.64 |
| Arizona | 3.03 | 3.11 | 4.47 | 2.85 | 4.01 | 5.70 | 3.03 | 7.53 |
| Arkansas | 2.40 | 1.92 | 1.98 | 1.60 | 1.92 | 4.18 | 2.52 | 3.88 |
| California | 2.75 | 2.60 | 2.63 | 3.04 | 4.14 | 4.67 | 2.75 | 4.55 |
| Colorado | 2.31 | 6.20 | 2.47 | 2.26 | 3.32 | 3.76 | 2.09 | 4.30 |
| Connecticut | 2.26 | 2.22 | 2.22 | 2.45 | 3.08 | 3.97 | 2.76 | 4.97 |
| Delaware | 1.95 | 3.68 | 2.53 | 2.61 | 2.90 | 4.87 | 3.13 | 4.06 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.03 | 2.87 | 2.58 | 2.62 | 3.80 | 5.18 | 3.12 | 4.75 |
| Georgia | 3.13 | 2.64 | 2.64 | 3.34 | 8.15 | 2.08 | 2.88 | 6.28 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | — | — | — | — | — | — | — | — |
| Illinois | 2.37 | 2.29 | 2.12 | 2.00 | 2.93 | 3.34 | 2.62 | 3.82 |
| Indiana | 2.99 | 3.06 | 2.88 | 2.74 | 3.74 | 5.04 | 3.48 | 4.80 |
| Iowa | 3.28 | 2.89 | 2.79 | 2.73 | 3.74 | 5.11 | 3.23 | 3.77 |
| Kansas | 2.11 | 2.14 | 2.00 | 1.80 | 2.92 | 4.56 | 2.25 | 4.10 |
| Kentucky | 2.96 | 2.83 | 3.13 | 3.20 | 3.69 | 4.85 | 3.49 | 4.64 |
| Louisiana | 2.65 | 2.45 | 2.18 | 2.10 | 2.93 | 4.35 | 2.94 | 4.37 |
| Maine | — | — | — | — | — | — | — | — |
| Maryland | 2.69 | 2.98 | 3.14 | 4.18 | 5.75 | 5.04 | 3.11 | 5.92 |
| Massachusetts | 2.92 | 2.84 | 2.54 | 2.64 | 3.29 | 5.37 | 3.07 | 4.85 |
| Michigan | 0.84 | 0.42 | 0.61 | 0.69 | 0.59 | 0.56 | 0.74 | 0.55 |
| Minnesota | 2.34 | 2.30 | 2.34 | 2.17 | 3.35 | 2.26 | 2.18 | 2.32 |
| Mississippi | 2.52 | 2.37 | 2.27 | 2.08 | 2.61 | 4.15 | 2.78 | 4.27 |
| Missouri | 2.44 | 2.74 | 2.77 | 2.26 | 4.62 | 5.41 | 2.58 | 4.90 |
| Montana | 9.35 | 13.57 | 2.87 | 4.08 | 9.68 | 3.54 | 2.89 | 1.81 |
| Nebraska | 2.00 | 1.89 | 1.89 | 2.29 | 3.20 | 3.22 | 2.07 | 4.37 |
| Nevada | 2.09 | 1.99 | 2.02 | 2.05 | 2.33 | 2.14 | 2.12 | 2.19 |
| New Hampshire | 2.72 | 2.68 | — | — | — | — | — | — |
| New Jersey | 2.85 | 2.76 | 2.69 | 2.57 | 3.60 | 4.65 | 2.96 | 4.39 |
| New Mexico | 2.38 | 2.39 | 2.07 | 2.01 | 2.85 | 4.07 | 2.31 | 3.80 |
| New York | 2.65 | 2.62 | 2.53 | 2.56 | 3.35 | 4.36 | 2.96 | 4.22 |
| North Carolina | 2.87 | 2.64 | 2.79 | — | — | 6.89 | 3.11 | 4.41 |
| North Dakota | — | 4.14 | 3.98 | 2.93 | — | — | 2.93 | 2.81 |
| Ohio | 3.20 | 4.13 | 4.06 | 4.03 | 4.16 | 3.87 | 3.44 | 4.27 |
| Oklahoma | 2.63 | 2.91 | 2.57 | 2.88 | 4.36 | 4.21 | 2.98 | 4.43 |
| Oregon | 1.57 | — | — | 1.40 | — | 1.96 | 1.33 | 2.01 |
| Pennsylvania | 3.04 | 2.57 | 2.31 | 2.72 | 2.91 | 4.65 | 2.85 | 4.57 |
| Rhode Island | 3.21 | 3.09 | 2.82 | 2.90 | 4.09 | 3.18 | 2.29 | 3.14 |
| South Carolina | 3.51 | 3.84 | 3.87 | 2.84 | 4.22 | 6.95 | 4.56 | 5.08 |
| South Dakota | — | — | — | — | — | — | 2.36 | — |
| Tennessee | — | — | — | — | — | — | 2.61 | — |
| Texas | 2.46 | 2.34 | 2.14 | 2.12 | 2.85 | 3.89 | 2.51 | 3.80 |
| Utah | 4.82 | — | — | — | — | — | 1.83 | — |
| Vermont | — | 2.83 | 2.27 | 2.61 | 3.60 | 5.05 | 3.22 | 4.42 |
| Virginia | 2.93 | 3.05 | 2.71 | 2.76 | 1.80 | 3.13 | 2.98 | 3.42 |
| Washington | 3.83 | 7.21 | 5.93 | 65.04 | 4.50 | 5.11 | 4.98 | 4.75 |
| West Virginia | 3.23 | 3.22 | 3.63 | 3.82 | 7.68 | 3.15 | 2.99 | 2.94 |
| Wisconsin | 2.81 | 2.58 | 2.46 | 2.33 | 3.42 | 4.74 | 3.04 | 4.29 |
| Wyoming | 4.00 | 11.82 | 24.02 | 22.85 | 2.47 | 13.99 | 12.59 | 26.41 |
| Total | 2.59 | 2.51 | 2.34 | 2.39 | 3.18 | 4.08 | 2.69 | 3.98 |

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— = Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998

| State | YTD 1998 | | YTD 1997 | | YTD 1996 | | 1998 | |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | July | |
| | | | | | | | Commercial | Industrial |
| Alabama | 70.1 | 16.0 | 61.9 | 18.1 | 83.6 | 23.6 | 71.8 | 14.5 |
| Alaska | 57.8 | 99.5 | 56.5 | 97.4 | 68.2 | 62.6 | 56.0 | 96.5 |
| Arizona | 85.8 | 32.7 | 85.4 | 21.3 | 86.5 | 21.0 | 84.1 | 32.8 |
| Arkansas | NA | 9.3 | 94.6 | 11.3 | 95.6 | 13.4 | 48.8 | 7.7 |
| California | 52.1 | 11.2 | 53.0 | 10.6 | 57.9 | 10.7 | 31.4 | 9.5 |
| Colorado | NA | NA | 95.2 | 23.8 | 93.7 | 18.4 | NA | NA |
| Connecticut | 71.6 | 57.2 | 86.1 | 68.4 | 89.5 | 92.3 | 62.4 | 57.1 |
| Delaware | 100.0 | 23.7 | 100.0 | 31.8 | 100.0 | 42.8 | 100.0 | 17.8 |
| District of Columbia | 54.6 | — | 57.5 | — | 78.2 | — | 40.4 | — |
| Florida | 96.4 | 4.0 | 97.0 | 7.2 | 97.2 | 14.1 | 96.0 | 4.2 |
| Georgia | 85.7 | 14.3 | 89.0 | 16.7 | 95.7 | 33.9 | 68.9 | 5.1 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 87.8 | 2.4 | 87.4 | 2.6 | 88.0 | 1.3 | 83.9 | 2.7 |
| Illinois | 49.4 | 8.5 | 55.4 | 10.8 | 55.0 | 14.2 | 35.4 | 4.9 |
| Indiana | NA | NA | 76.5 | 13.7 | 97.1 | 18.2 | NA | NA |
| Iowa | 81.6 | 11.3 | 88.6 | 6.9 | 88.8 | 7.4 | 69.6 | 5.3 |
| Kansas | 71.0 | 8.0 | 66.1 | 5.2 | 73.6 | 7.4 | 58.8 | 13.4 |
| Kentucky | 87.2 | 14.3 | 89.7 | 16.8 | 91.6 | 31.4 | 76.4 | 15.2 |
| Louisiana | NA | 7.1 | 98.3 | 8.8 | 98.3 | 10.1 | 69.7 | 6.9 |
| Maine | 100.0 | 92.5 | 100.0 | 92.7 | 100.0 | 91.7 | 100.0 | 84.1 |
| Maryland | 49.2 | NA | 76.0 | 8.7 | 92.7 | 15.4 | 29.0 | 2.5 |
| Massachusetts | 59.7 | NA | 64.4 | 20.0 | 80.8 | 29.0 | 48.4 | 16.8 |
| Michigan | 60.5 | 7.2 | 65.2 | 7.5 | 69.1 | 10.3 | 38.1 | 4.4 |
| Minnesota | 94.6 | 40.3 | 98.5 | 40.0 | 97.2 | 41.3 | 97.2 | 34.8 |
| Mississippi | NA | NA | 95.5 | 36.6 | 97.6 | 41.7 | NA | NA |
| Missouri | 81.9 | 19.2 | 81.2 | 21.7 | 84.7 | 26.6 | 65.6 | 16.4 |
| Montana | NA | 3.2 | 91.1 | 3.5 | 92.2 | 3.7 | 69.1 | 0.7 |
| Nebraska | 75.9 | 17.5 | 73.5 | 22.1 | 74.2 | 21.0 | 65.6 | 5.7 |
| Nevada | 74.6 | 1.8 | 73.4 | 2.1 | 76.7 | 1.8 | 66.3 | 4.0 |
| New Hampshire | NA | 37.2 | 95.2 | 54.7 | 97.9 | 57.2 | 89.1 | 34.9 |
| New Jersey | 57.2 | 47.0 | 69.4 | 47.6 | 76.3 | 56.9 | 47.4 | 25.6 |
| New Mexico | 62.3 | 11.4 | 66.7 | 12.0 | 63.1 | 2.1 | 46.7 | 17.9 |
| New York | NA | NA | 60.0 | 6.2 | NA | 10.9 | NA | NA |
| North Carolina | 90.7 | 27.2 | 94.0 | 37.4 | 98.5 | 70.3 | 83.3 | 26.4 |
| North Dakota | 85.0 | 27.8 | 90.1 | 44.4 | 89.3 | 18.7 | 80.8 | 22.9 |
| Ohio | NA | NA | 66.1 | 4.5 | 72.3 | 8.1 | NA | NA |
| Oklahoma | 76.7 | 4.1 | 87.6 | 5.2 | 86.3 | 7.1 | 55.4 | 2.1 |
| Oregon | NA | NA | 98.7 | 18.7 | 98.4 | 21.2 | 98.9 | NA |
| Pennsylvania | NA | 14.0 | 63.8 | 14.6 | 74.8 | 19.9 | 51.4 | 12.3 |
| Rhode Island | NA | NA | 85.3 | 18.2 | 97.9 | 18.9 | 48.5 | 31.2 |
| South Carolina | 98.1 | 86.4 | 97.7 | 83.9 | 99.5 | 86.0 | 97.4 | 87.5 |
| South Dakota | 84.1 | 34.0 | 85.4 | 23.7 | 85.0 | 29.9 | 75.4 | 22.5 |
| Tennessee | NA | NA | 90.1 | NA | 96.0 | 51.6 | 63.7 | 20.3 |
| Texas | 62.0 | 14.1 | 61.8 | 17.8 | 84.2 | 20.8 | 48.8 | 12.1 |
| Utah | 82.8 | 8.3 | 83.9 | 9.1 | 82.4 | 9.0 | 70.7 | 7.5 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 72.9 | 12.8 | 77.4 | 11.0 | 87.7 | 19.3 | 69.4 | 8.4 |
| Washington | NA | NA | NA | NA | 86.6 | 27.8 | NA | NA |
| West Virginia | NA | NA | 56.0 | 12.1 | 57.0 | 14.9 | 7.6 | NA |
| Wisconsin | 74.0 | 20.5 | 83.5 | 30.2 | 92.7 | 40.1 | 45.1 | 12.6 |
| Wyoming | NA | NA | 69.5 | 1.8 | 93.1 | 3.3 | NA | NA |
| Total | 67.6 | 14.7 | 71.6 | 16.9 | 79.8 | 20.3 | 51.2 | 12.6 |

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

| State | 1998 | | | | | | | |
|----------------------------|--------------------|-------------------------|--------------------|-------------------------|-------------------|-------------|-------------------------|-------------|
| | June | | May | | April | | March | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 74.7 | 14.5 | 35.4 | 13.3 | 80.2 | 14.8 | 77.8 | 17.4 |
| Alaska | 53.6 | 100.0 | 55.9 | 100.0 | 57.4 | 100.0 | 57.6 | 100.0 |
| Arizona | 86.2 | 33.8 | 83.3 | 35.8 | 84.9 | 32.7 | 86.7 | 34.0 |
| Arkansas | NA | 9.0 | ^R 88.7 | 9.0 | 89.5 | 9.1 | 93.9 | 10.2 |
| California | 52.9 | 11.2 | 48.3 | 11.7 | 52.7 | 10.9 | 71.1 | 16.5 |
| Colorado | 91.8 | NA | 95.0 | 1.0 | ^R 95.8 | 0.8 | ^R 96.0 | 1.2 |
| Connecticut | 61.2 | 52.9 | 76.3 | 55.7 | 62.3 | 61.9 | 71.2 | 59.4 |
| Delaware | 100.0 | 19.3 | 100.0 | 19.5 | 100.0 | 23.3 | 100.0 | 27.9 |
| District of Columbia | 41.9 | — | 47.7 | — | 52.5 | — | 60.1 | — |
| Florida | 96.6 | 4.3 | 96.7 | 3.5 | 96.8 | 4.5 | 96.2 | 4.4 |
| Georgia | 79.0 | 15.1 | 82.0 | 15.7 | 85.5 | 13.4 | 87.5 | 17.2 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 85.3 | 1.8 | 85.4 | 2.2 | 86.4 | 2.2 | 88.1 | 2.0 |
| Illinois | 45.8 | 5.2 | 34.8 | 6.8 | 44.3 | 9.1 | 55.3 | 10.6 |
| Indiana | NA | ^R 4.2 | 76.7 | 6.2 | NA | NA | 88.6 | 12.3 |
| Iowa | 70.3 | 4.5 | 87.3 | ^R 5.4 | 82.8 | 19.9 | 72.1 | 22.8 |
| Kansas | 54.2 | 10.7 | 68.5 | 8.1 | 69.5 | 5.6 | 76.9 | 5.5 |
| Kentucky | 82.6 | 13.8 | 84.2 | 14.7 | 85.7 | 14.7 | 90.0 | 13.1 |
| Louisiana | NA | 7.0 | 96.5 | 7.3 | 98.1 | 7.2 | 58.2 | 9.8 |
| Maine | ^R 100.0 | ^R 87.9 | ^R 100.0 | ^R 84.1 | 100.0 | 97.9 | 100.0 | 97.9 |
| Maryland | 33.3 | NA | 29.7 | 9.0 | 42.9 | 1.6 | 50.9 | 5.1 |
| Massachusetts | 46.3 | NA | 52.8 | ^R 28.8 | 60.0 | 27.5 | 65.5 | 29.0 |
| Michigan | 40.8 | 4.8 | 42.2 | 5.9 | 58.3 | 9.6 | 64.3 | 12.1 |
| Minnesota | 98.2 | 40.7 | 98.5 | 35.1 | 96.1 | 38.9 | 96.2 | 48.8 |
| Mississippi | NA | NA | NA | NA | NA | NA | NA | NA |
| Missouri | 69.4 | 13.0 | 75.7 | 14.0 | 82.0 | 17.4 | 83.3 | 21.5 |
| Montana | 75.3 | 4.4 | NA | ^R 1.2 | 79.4 | 2.2 | 83.1 | 3.5 |
| Nebraska | 66.3 | 13.5 | 74.0 | 14.8 | 71.5 | 21.3 | 77.3 | 24.0 |
| Nevada | 70.9 | 4.6 | 71.9 | 4.8 | 73.2 | 5.8 | 75.9 | 7.1 |
| New Hampshire | NA | ^R 32.7 | ^R 94.3 | ^R 38.9 | 96.2 | 47.0 | 96.1 | 39.1 |
| New Jersey | 51.5 | 27.7 | 46.0 | 26.4 | 55.2 | 29.2 | 62.4 | 29.5 |
| New Mexico | 39.7 | 13.9 | 49.8 | 9.6 | 58.2 | 6.3 | 67.3 | 1.5 |
| New York | NA | NA | NA | NA | 58.1 | 10.1 | NA | 10.1 |
| North Carolina | 82.5 | 24.3 | 86.7 | 26.9 | 90.6 | 31.2 | 91.1 | 26.6 |
| North Dakota | 82.1 | 24.3 | 79.2 | 15.4 | 80.0 | 25.3 | 87.0 | 32.1 |
| Ohio | 44.7 | 1.3 | 41.4 | 1.5 | 53.9 | 2.7 | 60.1 | 3.2 |
| Oklahoma | 63.6 | 2.2 | 70.4 | 2.9 | 75.0 | 4.9 | 77.7 | 5.2 |
| Oregon | 98.9 | 14.9 | 98.8 | 15.0 | NA | NA | NA | NA |
| Pennsylvania | 54.9 | 12.7 | 59.4 | 13.2 | NA | 13.3 | 57.7 | 14.2 |
| Rhode Island | 53.3 | 33.4 | NA | NA | NA | 41.2 | 64.7 | 49.9 |
| South Carolina | 97.4 | 88.2 | 98.2 | 87.7 | 98.4 | 86.0 | 98.2 | 84.9 |
| South Dakota | 72.8 | 24.9 | 65.9 | 15.8 | 93.7 | 56.2 | 85.6 | 37.9 |
| Tennessee | 66.6 | 23.3 | 77.4 | 23.9 | 75.8 | 29.3 | 93.1 | 28.1 |
| Texas | 63.8 | 15.2 | 55.9 | 14.1 | 59.8 | 14.5 | 61.3 | 15.2 |
| Utah | 75.6 | 9.1 | 73.7 | 8.9 | 82.5 | 7.9 | 81.2 | 8.6 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 66.8 | 9.3 | 70.0 | 13.0 | 70.9 | 11.2 | 73.4 | 19.2 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | NA | NA | 29.0 | NA | 50.3 | 5.8 | 51.9 | 6.2 |
| Wisconsin | 52.4 | 15.5 | 53.8 | 15.1 | 72.9 | 19.3 | 77.6 | 23.4 |
| Wyoming | NA | 2.3 | 89.8 | 1.8 | 91.3 | 3.4 | 87.4 | NA |
| Total | 60.0 | ^R14.0 | 60.3 | ^R13.9 | 67.0 | 15.0 | ^R71.7 | 16.5 |

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

| State | 1998 | | | | 1997 | | | |
|----------------------------|-------------------|------------|-------------------|------------|-------------------|-------------------|-------------------|-------------------|
| | February | | January | | Total | | December | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 80.1 | 17.8 | 76.7 | 19.4 | 56.8 | ^R 18.5 | 75.3 | 21.8 |
| Alaska | 60.0 | 100.0 | 59.9 | 100.0 | 54.3 | 97.8 | 54.1 | 100.0 |
| Arizona | 87.2 | 27.7 | 86.9 | 32.3 | 84.5 | 25.8 | 85.2 | 33.8 |
| Arkansas | 95.3 | 10.9 | 95.5 | 10.5 | 93.9 | 10.6 | 95.7 | 10.5 |
| California | 54.3 | 8.7 | 58.1 | 11.0 | 50.2 | 9.8 | 54.4 | 9.9 |
| Colorado | ^R 95.2 | 1.2 | ^R 95.4 | 2.5 | 94.2 | 24.8 | 94.5 | ^R 24.8 |
| Connecticut | 78.2 | 57.8 | 78.4 | 61.0 | 81.8 | 66.5 | 76.9 | 62.9 |
| Delaware | 100.0 | 28.6 | 100.0 | 26.4 | 100.0 | 29.7 | 100.0 | 25.8 |
| District of Columbia | 59.0 | — | 60.2 | — | ^R 55.5 | — | 60.8 | — |
| Florida | 96.3 | 4.0 | 96.3 | 4.5 | 96.6 | 6.6 | 94.7 | 5.7 |
| Georgia | 90.3 | 16.7 | 88.7 | 16.5 | 88.0 | 16.9 | 90.6 | 22.7 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 88.7 | 3.0 | 90.0 | 2.5 | 86.1 | 2.2 | 86.6 | 2.0 |
| Illinois | 50.4 | 9.8 | 53.7 | 10.7 | 53.3 | 9.9 | 51.1 | 10.7 |
| Indiana | 84.6 | 11.1 | 85.7 | 11.2 | 79.7 | 13.3 | 85.7 | 14.2 |
| Iowa | 88.7 | 7.1 | 87.4 | 7.4 | 87.2 | 7.7 | 88.8 | 8.4 |
| Kansas | 73.1 | 5.3 | 71.5 | 5.1 | 62.2 | ^R 5.4 | 55.9 | ^R 4.6 |
| Kentucky | 86.5 | 17.2 | 90.0 | 12.3 | 89.3 | 15.5 | 90.6 | 14.2 |
| Louisiana | 60.9 | 6.0 | 74.1 | 5.4 | 98.3 | 8.1 | 98.0 | 6.3 |
| Maine | 100.0 | 97.9 | 100.0 | 97.9 | 100.0 | 91.4 | 100.0 | 89.7 |
| Maryland | 54.7 | 3.7 | 65.6 | 0.7 | 64.5 | 6.1 | 61.1 | 0.9 |
| Massachusetts | 61.4 | 32.5 | 64.3 | 30.3 | 60.4 | ^R 18.4 | 66.2 | 31.6 |
| Michigan | 65.2 | 12.6 | 69.5 | 13.5 | 62.8 | 6.4 | 64.7 | 11.8 |
| Minnesota | 93.3 | 37.4 | 91.9 | 45.0 | 98.5 | 39.7 | 98.4 | 40.0 |
| Mississippi | 94.8 | 38.5 | NA | NA | 94.4 | 36.8 | 94.4 | 38.3 |
| Missouri | 85.4 | 24.0 | 85.2 | 23.7 | 79.9 | 21.3 | 82.7 | 22.9 |
| Montana | 83.1 | 4.3 | 88.3 | 4.7 | 90.8 | 3.1 | 92.7 | 3.8 |
| Nebraska | 78.0 | 23.2 | 79.9 | 30.1 | 70.4 | 21.5 | 74.1 | 20.4 |
| Nevada | 79.8 | 15.3 | 77.3 | 7.2 | 71.3 | 1.9 | 72.6 | 6.9 |
| New Hampshire | 96.2 | 37.2 | 96.4 | 30.4 | 93.4 | 49.3 | 94.0 | 32.4 |
| New Jersey | 62.1 | 34.6 | 59.4 | 31.7 | 66.1 | ^R 48.4 | 62.6 | 32.9 |
| New Mexico | 64.4 | 1.8 | 71.5 | 8.3 | 66.9 | 14.2 | 75.5 | 16.3 |
| New York | NA | NA | NA | NA | ^R 57.9 | ^R 5.8 | 59.8 | 8.3 |
| North Carolina | 93.1 | 27.3 | 93.4 | 27.6 | 94.1 | ^R 40.0 | 95.5 | 30.7 |
| North Dakota | 84.9 | 33.3 | 89.1 | 36.1 | 88.2 | 38.9 | 84.8 | 37.3 |
| Ohio | 60.2 | 4.7 | 60.5 | 4.5 | 64.6 | 3.9 | 66.3 | 5.1 |
| Oklahoma | 83.2 | 5.2 | 81.1 | 6.3 | 85.1 | 4.6 | 85.5 | 5.4 |
| Oregon | 99.2 | 15.3 | 99.3 | 19.7 | 98.5 | 16.5 | 98.4 | 16.0 |
| Pennsylvania | 57.2 | 15.2 | 58.7 | 16.3 | 61.9 | 13.8 | 62.4 | 12.3 |
| Rhode Island | 71.6 | 38.5 | 64.5 | 39.7 | 80.5 | 17.4 | 64.0 | 36.0 |
| South Carolina | 98.4 | 85.4 | 98.1 | 85.8 | 98.0 | 84.1 | 97.6 | 81.5 |
| South Dakota | 85.7 | 45.9 | 86.5 | 45.2 | 83.3 | 24.0 | 86.1 | 34.2 |
| Tennessee | 87.8 | 25.5 | NA | NA | 89.6 | NA | 90.8 | 24.2 |
| Texas | 71.6 | 15.5 | 68.3 | 12.3 | 60.4 | NA | 66.3 | 12.9 |
| Utah | 89.1 | 8.5 | 85.7 | 7.8 | 83.2 | 9.2 | 86.1 | 8.5 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 76.7 | 14.6 | 74.4 | 18.7 | ^R 75.6 | 11.8 | ^R 68.3 | 14.4 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | ^R 55.5 | 14.9 | 56.0 | 6.3 | 51.3 | 12.1 | 55.6 | 11.1 |
| Wisconsin | 80.3 | 23.8 | 85.4 | 26.0 | 80.8 | 28.5 | 82.1 | 27.9 |
| Wyoming | 80.3 | NA | NA | 1.5 | 73.4 | 1.8 | 92.7 | 1.9 |
| Total | ^R 71.0 | 15.3 | ^R 72.4 | 14.9 | 69.3 | ^R 16.0 | ^R 71.9 | 15.1 |

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

| State | 1997 | | | | | | | |
|----------------------------|-------------------|-------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | November | | October | | September | | August | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 61.7 | 20.2 | 42.8 | 18.2 | 33.1 | 17.6 | 25.1 | 17.4 |
| Alaska | 51.7 | 100.0 | 52.1 | 100.0 | 49.7 | 100.0 | 44.8 | 92.8 |
| Arizona | 83.2 | 32.0 | 81.1 | 31.0 | 83.9 | 30.3 | 78.7 | 30.1 |
| Arkansas | 89.9 | 11.2 | 92.2 | 10.0 | 90.9 | 8.7 | 91.4 | 7.9 |
| California | 49.1 | 7.9 | 41.6 | 6.1 | 40.9 | 9.9 | 41.5 | 7.7 |
| Colorado | ^R 91.8 | ^R 26.7 | 89.4 | 29.9 | 92.1 | 26.1 | 86.3 | 25.1 |
| Connecticut | 71.0 | 67.0 | 68.5 | 66.5 | 74.9 | 65.5 | 80.1 | 62.1 |
| Delaware | 100.0 | 26.3 | 100.0 | 29.0 | 100.0 | 25.7 | 100.0 | 27.5 |
| District of Columbia | 60.4 | — | 44.5 | — | 35.5 | — | 38.8 | — |
| Florida | 95.2 | 5.5 | 96.7 | 6.0 | 96.9 | 6.1 | 97.3 | 6.9 |
| Georgia | 87.3 | 18.3 | 84.5 | 20.6 | 81.6 | 9.1 | 80.1 | 15.7 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 83.2 | 1.9 | 76.4 | 1.6 | 82.5 | 1.7 | 82.9 | 1.4 |
| Illinois | 51.5 | 8.2 | 49.1 | 7.1 | 46.7 | 10.4 | 39.4 | 5.3 |
| Indiana | 91.5 | 19.2 | 87.4 | 12.2 | 75.4 | 8.4 | 74.7 | 7.8 |
| Iowa | 84.3 | 12.0 | 79.4 | 10.3 | 77.2 | 5.9 | 84.5 | 6.5 |
| Kansas | 56.7 | 5.5 | 66.3 | 5.5 | 50.3 | 6.1 | 44.9 | 6.7 |
| Kentucky | 89.2 | 14.4 | 89.3 | 14.9 | 83.9 | 13.0 | 79.1 | 11.5 |
| Louisiana | 97.4 | 7.4 | 98.4 | 7.0 | 98.1 | 7.1 | 99.2 | 8.0 |
| Maine | 100.0 | 92.2 | 100.0 | 89.4 | 100.0 | 87.8 | 100.0 | 88.6 |
| Maryland | 37.4 | 41.7 | 50.5 | 5.5 | 49.0 | 2.0 | 54.3 | 4.9 |
| Massachusetts | 60.0 | 32.2 | 46.0 | 25.9 | 41.4 | 28.0 | 39.1 | 22.4 |
| Michigan | 63.9 | 9.3 | 53.3 | 4.2 | 38.8 | 3.1 | 39.8 | 3.9 |
| Minnesota | 99.1 | 42.0 | 98.6 | 38.0 | 97.7 | 41.5 | 98.3 | 34.2 |
| Mississippi | 93.3 | 35.4 | 89.5 | 37.5 | ^R 90.8 | ^R 39.6 | ^R 91.3 | ^R 35.4 |
| Missouri | 78.3 | 19.9 | 68.6 | 19.6 | 68.4 | 22.5 | 68.7 | 16.7 |
| Montana | 90.4 | 2.8 | 87.9 | 2.3 | 85.5 | 1.9 | 87.4 | 2.0 |
| Nebraska | 68.9 | 34.2 | 46.6 | 17.4 | 59.0 | 21.0 | 64.8 | 14.4 |
| Nevada | 67.9 | 5.9 | 65.9 | 5.5 | 62.9 | 4.6 | 63.1 | 7.0 |
| New Hampshire | 89.1 | 34.2 | 85.7 | 44.2 | 86.9 | 48.4 | 88.1 | 47.1 |
| New Jersey | 58.9 | 32.2 | 57.7 | 27.7 | 58.1 | 28.1 | 59.0 | 44.0 |
| New Mexico | 70.9 | 14.1 | 57.2 | 9.5 | 52.9 | 14.6 | 53.2 | 18.3 |
| New York | 56.6 | 7.7 | 49.3 | 8.1 | 49.8 | 6.2 | ^R 50.0 | ^R 9.9 |
| North Carolina | 99.4 | 78.1 | 98.2 | 68.8 | 86.4 | 21.2 | 84.4 | ^R 17.6 |
| North Dakota | 90.8 | 35.6 | 84.0 | 26.1 | 74.7 | 19.4 | 68.8 | 28.1 |
| Ohio | 66.5 | 4.2 | 54.1 | 1.8 | 49.5 | 1.5 | 48.4 | 2.0 |
| Oklahoma | 78.5 | 4.3 | 75.7 | 3.1 | 75.5 | 3.2 | 73.6 | 3.0 |
| Oregon | 98.4 | 14.5 | 97.5 | ^R 14.1 | 98.0 | 13.2 | 98.3 | 12.4 |
| Pennsylvania | 61.9 | 13.9 | 48.6 | 12.7 | 54.6 | 12.1 | 56.7 | 12.5 |
| Rhode Island | 80.7 | 41.2 | 71.1 | 39.9 | 68.7 | 33.6 | 67.9 | 39.6 |
| South Carolina | 100.0 | 86.6 | 99.9 | 87.5 | 98.5 | 84.8 | 96.4 | 82.2 |
| South Dakota | 84.0 | 37.5 | 68.3 | 17.8 | 59.9 | 14.0 | 72.1 | 12.7 |
| Tennessee | 92.5 | ^R 30.0 | 86.4 | 26.8 | 82.4 | ^R 24.3 | 80.4 | 19.8 |
| Texas | 61.5 | 12.1 | 59.4 | 13.9 | 47.0 | NA | 52.3 | 14.1 |
| Utah | 83.1 | 9.8 | 80.2 | 9.2 | 74.8 | 12.0 | 71.7 | 7.9 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 88.7 | 21.2 | 68.1 | 13.5 | 67.6 | 7.4 | 64.6 | 4.9 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 50.3 | 13.8 | 35.6 | 13.2 | 29.8 | 11.8 | 21.6 | 11.2 |
| Wisconsin | 84.7 | 28.9 | 67.9 | 25.7 | 60.9 | 22.8 | 53.8 | 21.3 |
| Wyoming | 79.4 | 1.3 | 79.7 | 2.0 | 79.2 | 2.3 | 75.8 | 2.1 |
| Total | 67.3 | ^R 16.1 | 61.6 | 15.2 | 57.5 | ^R 13.9 | ^R 56.8 | ^R 13.8 |

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

| State | 1997 | | | | | | | |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | July | | June | | May | | April | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 22.8 | ^R 19.7 | 49.5 | 17.2 | 55.5 | 18.0 | 59.3 | 17.3 |
| Alaska | 49.7 | 91.4 | 50.3 | 99.0 | 54.6 | 99.0 | 56.9 | 98.8 |
| Arizona | 79.7 | 31.3 | 82.7 | 18.7 | 86.1 | 18.1 | 83.8 | 20.2 |
| Arkansas | 89.9 | 9.3 | 90.7 | 10.2 | 91.4 | 11.3 | 93.5 | 10.9 |
| California | 45.6 | 7.8 | 48.2 | 8.9 | 49.5 | 13.0 | 51.6 | 10.6 |
| Colorado | 88.9 | 35.1 | 94.4 | 27.2 | ^R 95.0 | 25.5 | ^R 95.1 | 30.1 |
| Connecticut | 75.9 | 63.5 | 79.6 | 63.7 | 79.7 | 65.6 | 87.1 | 68.2 |
| Delaware | 100.0 | 27.5 | 100.0 | 28.2 | 100.0 | 34.4 | 100.0 | 35.6 |
| District of Columbia | 43.9 | — | 46.7 | — | 53.7 | — | ^R 48.4 | — |
| Florida | 96.9 | 6.3 | 97.6 | 7.5 | 97.7 | 6.9 | 97.8 | 7.3 |
| Georgia | 79.1 | 17.4 | 82.7 | 13.4 | 83.9 | 12.9 | 87.2 | 15.9 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 83.2 | 5.2 | 83.3 | 2.3 | 86.5 | 2.5 | 86.1 | 2.1 |
| Illinois | 45.8 | 3.4 | 54.8 | 14.7 | 47.4 | 13.8 | 53.1 | 8.4 |
| Indiana | 72.4 | 9.0 | 39.6 | 9.2 | 38.3 | 9.6 | 82.1 | 10.6 |
| Iowa | 75.0 | 5.3 | 90.1 | 5.1 | 83.2 | 5.4 | 90.3 | 7.2 |
| Kansas | 46.8 | 5.1 | 56.1 | 4.6 | 58.3 | ^R 5.3 | 66.1 | ^R 5.3 |
| Kentucky | 82.9 | 12.4 | 87.7 | 14.1 | 85.3 | 15.7 | 88.2 | 14.9 |
| Louisiana | 98.8 | 7.9 | 98.6 | 8.3 | 98.5 | 9.0 | 98.1 | 7.6 |
| Maine | 100.0 | 100.0 | 100.0 | 88.5 | 100.0 | 91.2 | 100.0 | 91.3 |
| Maryland | 57.5 | 3.4 | 56.5 | 6.7 | 62.3 | 12.5 | 76.8 | 1.6 |
| Massachusetts | 43.6 | 23.6 | 46.1 | 32.3 | 67.1 | ^R 34.4 | 72.2 | 38.5 |
| Michigan | 54.7 | 5.8 | 44.8 | 5.4 | 57.7 | 7.8 | 65.3 | 10.4 |
| Minnesota | 98.4 | 35.6 | 97.0 | 37.4 | 97.8 | 39.0 | 98.0 | 41.6 |
| Mississippi | ^R 95.6 | ^R 33.0 | 91.5 | 35.9 | 96.7 | 39.8 | 92.4 | 35.4 |
| Missouri | 68.9 | 18.6 | 71.5 | 18.5 | 76.9 | 24.1 | 80.7 | 16.7 |
| Montana | 90.4 | 1.7 | 88.7 | 2.2 | 90.2 | 2.1 | 91.1 | 4.5 |
| Nebraska | 64.4 | 34.1 | 61.4 | 16.1 | 68.2 | 20.5 | 72.3 | 17.1 |
| Nevada | 73.2 | 10.2 | 61.0 | 9.9 | 65.7 | 7.4 | 69.2 | 8.0 |
| New Hampshire | 87.0 | 51.4 | 90.7 | 55.4 | 91.6 | 59.1 | 92.0 | 62.3 |
| New Jersey | 55.6 | 26.5 | 60.8 | 26.3 | 56.5 | 28.5 | 64.0 | 36.9 |
| New Mexico | 53.5 | 18.5 | 43.1 | 8.1 | 59.5 | 10.9 | 58.1 | 2.8 |
| New York | 49.6 | ^R 7.5 | 49.9 | 7.2 | 54.9 | 8.5 | 60.6 | 9.1 |
| North Carolina | 84.6 | 20.4 | 97.5 | 40.8 | 89.3 | 21.7 | 87.5 | 22.4 |
| North Dakota | 46.5 | 34.6 | 80.8 | 28.9 | 88.7 | 36.5 | 91.9 | 39.4 |
| Ohio | 46.5 | 2.0 | 49.2 | 1.9 | 58.0 | 3.2 | 64.8 | 3.3 |
| Oklahoma | 79.0 | 3.8 | 79.2 | 2.1 | 82.0 | 4.1 | 86.3 | 3.7 |
| Oregon | 98.3 | 13.8 | 98.1 | 17.3 | 98.5 | ^R 17.3 | 98.5 | 20.3 |
| Pennsylvania | 54.5 | 10.8 | 54.7 | 13.1 | 48.0 | 13.3 | 64.7 | 14.1 |
| Rhode Island | 71.1 | 41.7 | 72.4 | 48.1 | 80.8 | 48.5 | 88.5 | 55.8 |
| South Carolina | 99.9 | 89.1 | 91.0 | 89.0 | 100.0 | 87.0 | 95.2 | 77.7 |
| South Dakota | 78.3 | 12.0 | 83.7 | 10.7 | 80.7 | 17.3 | 85.7 | 22.6 |
| Tennessee | 80.7 | 24.4 | ^R 82.0 | ^R 26.3 | 86.7 | 29.6 | 90.4 | 28.1 |
| Texas | 50.6 | 14.2 | 56.6 | 19.1 | 56.5 | 18.1 | 59.2 | 20.1 |
| Utah | 72.8 | 8.2 | 77.0 | 9.4 | 78.8 | 9.0 | 83.8 | 9.2 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 62.9 | 5.5 | 65.3 | 8.1 | 72.2 | 6.5 | 72.6 | 12.2 |
| Washington | NA | NA | NA | NA | 80.7 | 21.0 | 83.1 | 26.8 |
| West Virginia | 23.2 | 11.8 | 29.1 | 11.3 | 43.8 | 11.4 | 49.6 | 7.1 |
| Wisconsin | 66.1 | 20.4 | 58.8 | 19.9 | 75.5 | 27.6 | 81.8 | 25.6 |
| Wyoming | 28.8 | 2.1 | 52.1 | 1.9 | 77.8 | 1.8 | 62.1 | 1.9 |
| Total | 58.2 | ^R 13.9 | 60.0 | 15.9 | ^R 63.7 | ^R 16.5 | ^R 70.6 | ^R 16.8 |

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

| State | 1997 | | | | | | 1996 | |
|----------------------------|-------------------|-------------------|-------------------|--------------------------|-------------------|------------------|-------------|-------------|
| | March | | February | | January | | Total | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 76.2 | 17.9 | 79.7 | 19.5 | 77.7 | 17.7 | 81.1 | 22.6 |
| Alaska | 57.5 | 98.6 | 58.8 | 97.9 | 60.2 | 97.1 | 63.4 | 64.3 |
| Arizona | 86.5 | 20.1 | 87.8 | 22.6 | 87.4 | 18.2 | 85.2 | 19.7 |
| Arkansas | 94.9 | 12.1 | 96.6 | 13.6 | 96.1 | 12.9 | 95.0 | 13.3 |
| California | 54.5 | 11.0 | 58.5 | 11.3 | 58.0 | 11.3 | 54.9 | 11.2 |
| Colorado | ^R 95.6 | ^R 17.9 | ^R 96.4 | ^R 16.7 | ^R 95.5 | 19.6 | 93.2 | 7.4 |
| Connecticut | 87.0 | 68.2 | 90.2 | 78.8 | 90.1 | 76.0 | 87.0 | 84.6 |
| Delaware | 100.0 | 32.7 | 100.0 | 34.0 | 100.0 | 28.8 | 100.0 | 37.3 |
| District of Columbia | 59.9 | — | 62.8 | — | 67.9 | — | 70.5 | — |
| Florida | 97.0 | 7.1 | 96.6 | 8.7 | 96.1 | 9.1 | 97.1 | 13.4 |
| Georgia | 88.9 | 15.7 | 92.7 | 21.1 | 93.7 | 20.0 | 94.1 | 32.2 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 87.8 | 2.1 | 89.7 | 2.2 | 87.8 | 1.9 | 86.6 | 1.4 |
| Illinois | 54.4 | 10.3 | 54.3 | 9.8 | 62.0 | 14.6 | 53.9 | 13.7 |
| Indiana | 86.5 | 12.7 | 93.0 | 19.8 | 93.7 | 20.1 | 96.3 | 16.6 |
| Iowa | 88.5 | 7.4 | 89.4 | 7.2 | 90.3 | 9.6 | 87.7 | 9.0 |
| Kansas | 60.1 | ^R 5.3 | 65.7 | ^R 6.0 | 86.2 | ^R 5.2 | 71.7 | 7.7 |
| Kentucky | 89.6 | 15.5 | 90.8 | 19.4 | 91.9 | 22.1 | 90.8 | 27.1 |
| Louisiana | 98.6 | 10.7 | 98.4 | 8.6 | 97.9 | 9.5 | 98.3 | 10.6 |
| Maine | 100.0 | 91.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 91.0 |
| Maryland | 79.8 | 17.3 | 82.8 | 14.7 | 84.5 | 2.8 | 91.9 | 11.7 |
| Massachusetts | 70.9 | 34.4 | 67.3 | 36.8 | 67.3 | 34.3 | 74.7 | 41.9 |
| Michigan | 66.4 | 12.8 | 69.4 | 14.2 | 69.2 | 14.0 | 66.9 | 12.5 |
| Minnesota | 99.0 | 42.2 | 98.7 | 45.0 | 98.6 | 37.3 | 96.2 | 41.3 |
| Mississippi | 95.8 | 36.5 | 96.3 | 37.6 | 96.9 | 38.4 | 97.4 | 41.7 |
| Missouri | 83.9 | 27.3 | 79.9 | 19.5 | 86.3 | 28.3 | 82.2 | 24.7 |
| Montana | 90.4 | 4.1 | 93.0 | 4.1 | 90.9 | 4.4 | 91.5 | 3.4 |
| Nebraska | 70.8 | 20.2 | 87.9 | 25.6 | 77.6 | 27.3 | 70.0 | 20.4 |
| Nevada | 78.1 | 7.3 | 79.7 | 9.1 | 77.2 | 8.3 | 74.2 | 7.2 |
| New Hampshire | 94.0 | 53.6 | 99.1 | 52.1 | 98.8 | 44.2 | 96.9 | 55.4 |
| New Jersey | 68.5 | 30.3 | 93.5 | ^R 30.7 | 70.6 | 35.9 | 73.3 | 53.6 |
| New Mexico | 70.5 | 3.9 | 72.5 | 2.1 | 74.0 | 19.4 | 64.7 | 3.5 |
| New York | 63.4 | 9.9 | 65.8 | 10.0 | 66.3 | 11.8 | 77.0 | 14.7 |
| North Carolina | 91.6 | 30.2 | 95.9 | 39.6 | 100.0 | 90.1 | 96.5 | 59.4 |
| North Dakota | 91.4 | 59.4 | 93.9 | 49.5 | 93.4 | 43.3 | 88.0 | 26.5 |
| Ohio | 69.2 | 5.5 | 68.5 | 5.6 | 72.5 | 8.4 | 71.8 | 7.4 |
| Oklahoma | 88.1 | 5.9 | 90.5 | 8.7 | 90.7 | 7.4 | 84.5 | 6.6 |
| Oregon | 98.8 | 21.0 | 98.9 | 22.5 | 98.8 | 19.0 | 98.3 | 18.0 |
| Pennsylvania | 64.3 | 15.4 | 69.8 | 14.9 | 69.3 | 18.9 | 70.4 | 18.5 |
| Rhode Island | 82.2 | 61.7 | 91.7 | 45.9 | 89.6 | 38.1 | 91.8 | 16.9 |
| South Carolina | 97.4 | 80.3 | 97.9 | 78.2 | 100.0 | 86.8 | 99.0 | 85.8 |
| South Dakota | 86.3 | 26.7 | 85.7 | 30.4 | 86.9 | 31.4 | 82.7 | 24.6 |
| Tennessee | ^R 88.9 | NA | 92.5 | 28.7 | 94.0 | 35.9 | 94.3 | 47.0 |
| Texas | 60.5 | 17.3 | 68.1 | 17.1 | 71.1 | 19.2 | 83.5 | 20.2 |
| Utah | 83.0 | 6.7 | 87.2 | 10.8 | 86.2 | 10.2 | 81.9 | 9.0 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 77.0 | 13.2 | 81.6 | 6.8 | 87.5 | 7.9 | 85.3 | 18.0 |
| Washington | 86.0 | 27.3 | 86.7 | 26.8 | 87.8 | 26.7 | 85.9 | 24.4 |
| West Virginia | 60.3 | 19.7 | 67.8 | 14.8 | 67.8 | 14.4 | 56.3 | 14.3 |
| Wisconsin | 87.4 | 34.0 | 87.3 | 35.9 | 88.8 | 37.6 | 91.6 | 36.4 |
| Wyoming | 74.0 | 1.8 | 82.1 | 1.9 | 85.0 | 1.5 | 85.9 | 2.9 |
| Total | 73.0 | 17.4 | 76.9 | ^R 17.6 | 77.9 | 19.4 | 77.6 | 19.4 |

^R = Revised Data.

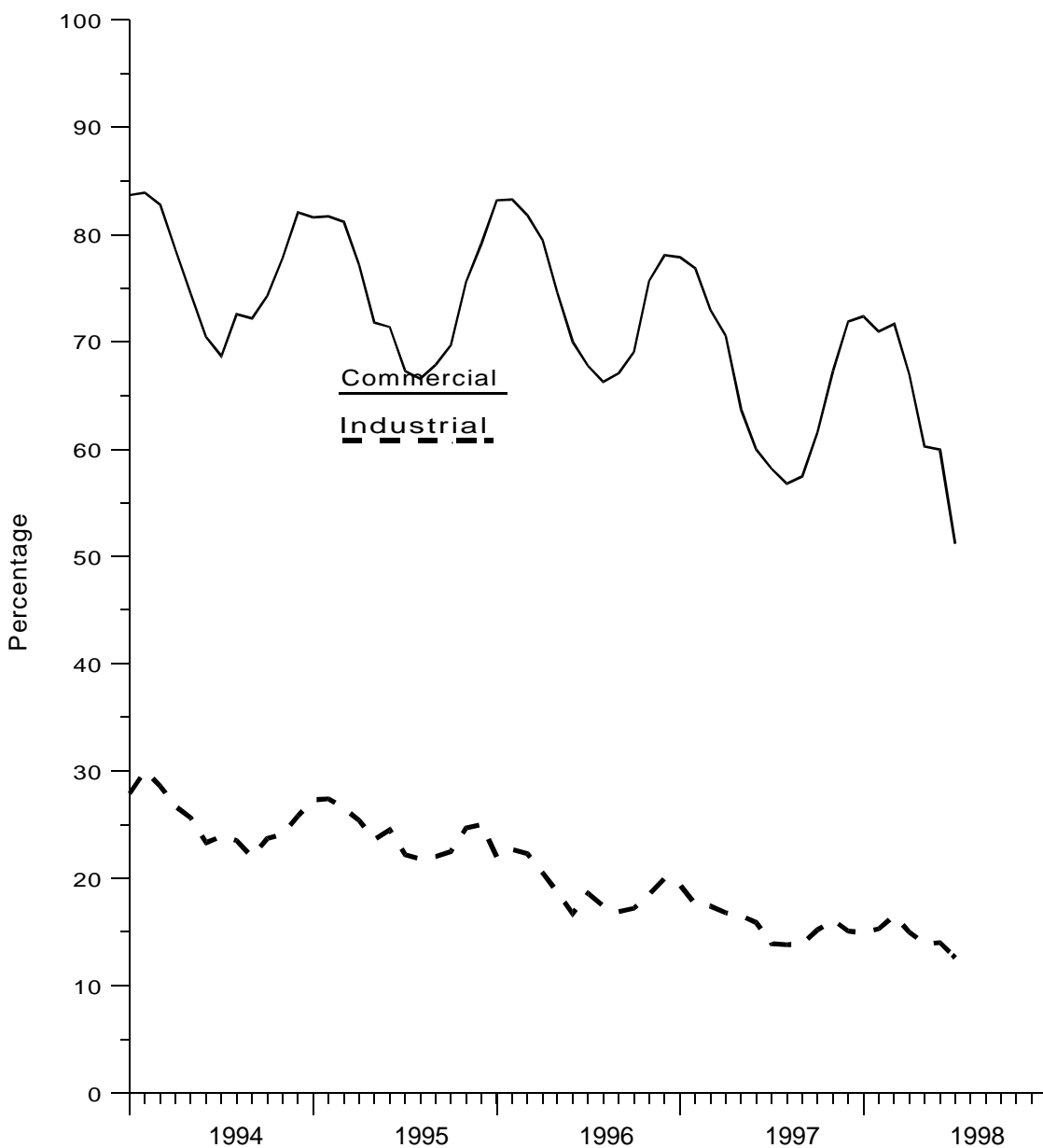
NA = Not Available.

— = Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1994-1998



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

| Components | Reporting Methodology |
|-------------------------------|--|
| Supply and Disposition | |
| Marketed Production | Reported on Form EIA-895 and Estimated from Historical Data |
| Extraction Loss | Derived from Marketed Production |
| Dry Production | Marketed Production minus Extraction Loss |
| Withdrawals from Storage | Reported on Form EIA-191 |
| Supplemental Gaseous Fuels | Derived from Supply Estimates and Coal Gasification Information |
| Imports | Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information |
| Additions to Storage | Reported on Form EIA-191 |
| Exports | Estimated from Industry Trends and Liquefied Natural Gas Information |
| Current-Month Consumption | Estimated from Historical Month-to-Month Percent Changes |
| Consumption by Sector | |
| Lease and Plant Fuel | Derived from Marketed Production |
| Pipeline Fuel | Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers |
| Residential | Estimated from Reports to the Sample Survey Form EIA-857 |
| Commercial | Estimated from Reports to the Sample Survey Form EIA-857 |
| Industrial | Estimated from Reports to the Sample Survey Form EIA-857 |
| Electric Utilities | Reported on Form EIA-759 |

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen—are reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting

volumes greater than zero are Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for non-hydrocarbon gas removed, gas used for repressuring,

and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for non-hydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C,

"Statistical Considerations," for a detailed explanation of sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability

is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

A preliminary estimate of the U.S. gas price is made each month based on the change in the production-weighted gas price from five States: Kansas, Mississippi, New Mexico, Oklahoma, and Texas. Gas prices for these five States are used because both their gas production and value represent a substantial sample of the U.S. gas production and value (roughly 50 percent), and their prices are readily available and provide a consistent series. The latest preliminary U.S. gas price estimate is calculated by multiplying the preliminary U.S. gas price estimate for the prior month by the ratio of the five States' gas price for the latest month to that

of the prior month. This estimate replaces the initial gas price estimate.

Final Monthly Data

Preliminary monthly gas price data for Kansas, Mississippi, New Mexico, Oklahoma, and Texas are replaced by final monthly data that are adjusted to match the annual prices published in the *Natural Gas Annual* for each State. A revised set of the monthly U.S. gas price estimates are derived based on the monthly change in the production-weighted prices for these five States and adjusted to match the U.S. gas price published in the *Natural Gas Annual*.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

egree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National

Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and four monthly surveys.

The annual reports are the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines, and the Form EIA-627, a voluntary survey completed by energy or conservation agencies in the gas-producing States.

The monthly reports include two surveys of the natural gas industry and two surveys of the electric utility industry. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1996 for report year 1995 totaled 1,991 questionnaire packages. To this original mailing, 11 names were added and 61 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,941 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents followup, 1,911 responses were entered into the data base, and there were 30 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multiline schedule for reporting all supplies of natural gas and supplemental gaseous fuels

and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-895, "Monthly Quantity of Natural Gas Report"

Survey Design

In 1996, an annual schedule was added to the Form EIA-895 to replace the Form EIA-627. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." In 1994, the IOGCC decided to discontinue collection of their form. All gas producing States are requested to report on the Form EIA-895; a voluntary report. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Beginning with 1980, natural gas production data previously obtained on an informal basis from State conservation agencies were collected on Form EIA-627. This form was designed by EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. The form was redesigned in 1990 to collect monthly breakdowns of all annual data elements. Data are not considered proprietary. It was also designed to avoid duplication of effort in collecting production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Summary of Data Requirements

The Form EIA-895 monthly schedule consists of nine questions on one page, and requires volumetric information on gross production (gas and oil wells individually), gas used for repressuring, gas vented and flared, nonhydrocarbon gases removed, natural gas used as fuel on leases, marketed production, value based marketed production and the value in dollar amount of the marketed production.

Form EIA-895 annual schedule collects data on the monthly and annual production volume of natural gas (including gross withdrawals from both gas and oil wells); volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on leases; marketed production; the value of marketed production; and the number of producing gas wells.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, “Underground Natural Gas Storage Report”

Survey Design

The Form EIA-191, “Underground Natural Gas Storage Report,” was revised effective January 1994. Among the changes from the form used from 1991 through 1993 are a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC’s stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 103 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month’s data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day

withdrawals during the reporting period. Prior month’s data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey’s five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to refile reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, “Annual Report for Importers and Exporters of Natural

Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different.

Prior to 1995, the Form FPC-14 was filed annually by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export was originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of 382 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors--residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata--companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors--the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_j}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

X_i = the sum within State of annual gas volumes for company i,

X_j = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using

$(I = \frac{X_2}{m})$. A uniform random number R was selected

between zero and I. The first sampled company was

the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_j = y_j \times E_{vj} \quad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector j,

y_j = the sum within State of reported monthly gas volumes in consumer sector j.

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j,

R_j = the reported revenue from natural gas sales within the State in consumer sector j,

V_j = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t,

y_{jt-1} = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*.

The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V'_{jm}) \left(\frac{V_{jm}}{V'_{jm}} \right) \right] \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate. The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection

and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of non-sampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left(\sum_{i=1}^{n_h} (y_i - T x_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, July 1998

| State | Volume Million Cubic Feet | | | | Price Dollars per Thousand Cubic Feet | | |
|----------------------------|------------------------------|--------------|---------------|---------------|--|-------------|-------------|
| | Residential | Commercial | Industrial | Total | Residential | Commercial | Industrial |
| Alabama | 132 | 73 | 3,792 | 3,795 | 0.81 | 0.31 | 0.29 |
| Alaska | 0 | 0 | 0 | 0 | — | — | — |
| Arizona | 5 | 97 | 0 | 97 | 0.19 | 0.05 | — |
| Arkansas | 0 | 0 | 0 | 0 | — | — | — |
| California | 159 | 449 | 4,292 | 4,318 | 0.05 | 0.08 | 0.31 |
| Colorado | NA | NA | NA | NA | NA | NA | NA |
| Connecticut | 0 | 0 | 0 | 0 | — | — | — |
| Delaware | 0 | 0 | 0 | 0 | — | — | — |
| District of Columbia | 0 | 0 | 0 | 0 | — | — | — |
| Florida | 110 | 258 | 867 | 911 | 1.48 | 0.51 | 0.21 |
| Georgia | 48 | 165 | 1,517 | 1,527 | 0.69 | 0.97 | 2.67 |
| Hawaii | 0 | 0 | 0 | 0 | — | — | — |
| Idaho | 0 | 0 | 0 | 0 | — | — | — |
| Illinois | 906 | 347 | 1,799 | 2,044 | 1.60 | 4.20 | 1.12 |
| Indiana | NA | NA | NA | NA | NA | NA | NA |
| Iowa | 15 | 369 | 156 | 401 | 0.74 | 0.46 | 0.34 |
| Kansas | 3,550 | 4,585 | 67,259 | 67,509 | 6.93 | 0.88 | 7.11 |
| Kentucky | 560 | 756 | 563 | 1,096 | 3.43 | 6.12 | 3.03 |
| Louisiana | 91 | 77 | 3,547 | 3,549 | 0.18 | 0.30 | 0.02 |
| Maine | 0 | 0 | 0 | 0 | — | — | — |
| Maryland | 3 | 12 | 78 | 79 | 0.02 | 0.04 | 0.42 |
| Massachusetts | 162 | 96 | 1,201 | 1,216 | 0.63 | 0.19 | 0.45 |
| Michigan | 0 | 0 | 0 | 0 | — | — | — |
| Minnesota | 141 | 79 | 1,690 | 1,697 | 0.09 | 0.12 | 0.25 |
| Mississippi | NA | NA | NA | NA | NA | NA | NA |
| Missouri | 993 | 482 | 3,107 | 3,297 | 3.42 | 1.74 | 8.22 |
| Montana | 2 | 1 | 0 | 2 | 0.01 | 0.06 | — |
| Nebraska | 1 | 5 | 913 | 913 | 0.25 | 0.19 | 0.05 |
| Nevada | 0 | 0 | 0 | 0 | — | — | — |
| New Hampshire | 0 | 0 | 0 | 0 | — | — | — |
| New Jersey | 0 | 0 | 0 | 0 | — | — | — |
| New Mexico | 27 | 96 | 637 | 645 | 1.07 | 1.48 | — |
| New York | NA | NA | NA | NA | NA | NA | NA |
| North Carolina | 66 | 92 | 206 | 235 | 0.02 | 0.03 | 0.05 |
| North Dakota | 0 | 0 | 0 | 0 | — | — | — |
| Ohio | NA | NA | NA | NA | NA | NA | NA |
| Oklahoma | 147 | 226 | 138 | 303 | 0.57 | 0.11 | 0.54 |
| Oregon | 0 | 0 | NA | NA | — | — | NA |
| Pennsylvania | 73 | 142 | 1,026 | 1,038 | 0.28 | 0.21 | 0.12 |
| Rhode Island | 0 | 0 | 0 | 0 | — | — | — |
| South Carolina | 87 | 115 | 235 | 276 | 1.07 | 0.35 | 0.12 |
| South Dakota | 0 | 0 | 0 | 0 | — | — | — |
| Tennessee | 415 | 818 | 1,643 | 1,882 | 3.14 | 2.54 | 2.32 |
| Texas | 68 | 1,331 | 8,435 | 8,539 | 0.05 | 0.25 | 0.21 |
| Utah | 0 | 0 | 0 | 0 | — | — | — |
| Vermont | 0 | 0 | 0 | 0 | — | — | — |
| Virginia | 27 | 327 | 729 | 799 | 0.30 | 0.24 | 0.36 |
| Washington | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | NA | 2,548 | NA | NA | NA | 9.77 | NA |
| Wisconsin | 317 | 475 | 251 | 624 | 0.65 | 0.88 | 0.21 |
| Wyoming | NA | NA | NA | NA | NA | NA | NA |
| Total | 4,028 | 5,944 | 68,415 | 68,791 | 0.25 | 0.24 | 0.63 |

NA = Not Available.

— = Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Natural Gas Reports and Feature Articles

Reports Dealing Principally with Natural Gas and/or Natural Gas Liquids

- *Natural Gas Annual 1995*, DOE/EIA-0131(95), November 1996.
- *Natural Gas Annual 1993 Supplement: Company Profiles*, DOE/EIA-0131(93/S), February 1995.
- *Natural Gas 1996 Issues and Trends*, DOE 0560(96), December 1996.

Other Reports Covering Natural Gas, Natural Gas Liquids, and Other Energy Sources

- *Monthly Energy Review*, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.
- *Natural Gas 1995: Issues and Trends*, DOE/EIA-0560(95), November 1995.
- *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves - 1995 Annual Report*, DOE/EIA-0216(95)/Advance Summary, October 1996.
- *Annual Energy Review 1995*, DOE/ EIA-0384(95), July 1996. Published annually.
- *Annual Report to Congress 1995 DOE/EIA-01733(95)*, July 1996. Published annually.
- *Annual Energy Outlook 1996*, DOE/ EIA-0383(96), January 1996. Published annually.

Selected One-Time Natural Gas and Related Reports

- *The Value of Underground Storage in Today's Natural Gas Industry*, DOE/EIA-0591, March 1995.
- *Natural Gas Productive Capacity for the Lower 48 States, 1980 through 1995*, DOE/EIA-0542(95), July 1994.
- *Largest U.S. Oil and Gas Fields*, DOE/EIA-TR-0567, August 1993.
- *Energy Policy Act Transportation Rate Study*, DOE/EIA-0571, October 1993.
- *Energy Policy Act Transportation Study: Interim Report of Natural Gas Flows and Rates*, DOE/EIA-0602, October 1995.

Selected and Recurring Natural Gas and Related Data Reference Reports

- *Directory of Energy Data Collection Forms*, DOE/EIA-0249(95), January 1996.
- *Oil and Gas Field Code Master List, 1995*, EIA-0370(95), December 1996.

Feature Articles

June 1996

Natural Gas Industry Restructuring and Data Collection

(Discusses how restructuring of the natural gas industry has impacted the natural gas data collection efforts.)

July 1996

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

November 1996

U.S. Natural Gas Imports and Exports - 1995

(Contains final 1995 data on all U.S. imports and exports of natural gas.)

December 1996

Crosswell Seismology -- A View from Aside

(Discusses crosswell seismology and its geologic and economic implications for the domestic oil and gas industry.)

May 1997

Restructuring Energy Industries: Lessons from Natural Gas

(Compares and contrasts the natural gas and electric power industries.)

July 1997

Intricate Puzzle of Oil and Gas "Reserves Growth"

(Discusses the factors that affect ultimate recovery estimates of a field or reservoir.)

August 1997

Natural gas Residential Pricing Developments During the 1996-97 Winter

(Discusses key factors that affect pricing patterns, highlights the effects of weather, utilization patterns of natural gas storage, and pricing mechanisms used in natural gas markets.)

December 1997

Recent Trends in Natural Gas Spot Prices

(Focuses primarily on conditions and developments in the East Consuming Region and their connection to prices at the Henry Hub in the Producing Region.)

March 1998

EIA Corrects Errors in EIA's Drilling Activity Estimates Series

(Discusses and corrects errors in EIA's monthly and annual estimates of oil and gas drilling activity.)

Special Focuses

January 1997

Natural Gas Productive Capacity

(Analyzes monthly natural gas wellhead productive capacity in the lower 48 States from 1985 and 1996 and project this capacity for 1996 and 1997.)

Outlook for Natural Gas Through 2015

(Presents an outlook for natural gas through 2015.)

August 1997

Worldwide Natural Gas Supply and Demand And the Outlook For Global LNG Trade

(Focuses on natural gas into the next century with emphasis on world natural gas supply and demand to 2015.)

September 1997

Advance Summary: U.S. Crude Oil, Natural Gas, and Natural gas Liquids Reserves, 1996 Annual Report - Advance Summary

(Focuses on proved reserves of domestic crude oil, natural gas, and natural gas liquids.)

May 1998

Deliverability on the Interstate Natural Gas Pipeline System

(Examines the capability of the interstate pipeline network to move gas to various U.S. markets and discusses changes occurring since 1990.)

Special Reports

March 1997

Natural Gas Analysis and Geographic Information Systems

(Explores how geographic information system techniques and methodologies are being used by the Energy Information Administration.)

April 1997

Natural Gas Pipeline and System Expansions

(Examines recent expansions to the North American natural gas

Natural Gas 1996: Highlights

(Reviews data for 1996 based on Energy Information Administration surveys.) pipeline network.)

July 1997

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1997

U.S. Natural gas Imports and Exports - 1996

(Contains final 1996 data on all U.S. imports and exports of natural gas.)

September 1997

U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed

(Examines recent and proposed expansions of underground natural gas storage capacity and deliverability in the United States as of September 1, 1997.)

October 1997

Comparison of Natural Gas Storage Estimates from the EIA and AGA

(Compares EIA and AGA estimates from January 1994 through July 1997.)

April 1998

Natural Gas 1997: A Preliminary Summary

(Reviews data for 1997 based on Energy Information Administration surveys.)

July 1998

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1998

U.S. Natural Gas Imports and Exports - 1997

(Contains final 1997 data on all U.S. imports and exports of natural gas.)

Appendix E

Technical Contacts

| Section | Tables | | Principal Data Sources | Technical Contact |
|---|---------|---------------------|---|----------------------------------|
| Summary Statistics: Natural Gas Production | 1, 2, 3 | Monthly: Annual: | EIA-895, "Monthly Quantity of Natural Gas Report" | Sharon Belcher (202) 586-6119 |
| | | Monthly: | Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | Roy Kass (202) 586-4790 |
| Extraction Loss | 1 | Monthly: Annual: | EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production" | Margo Natof (202) 586-6303 |
| Supplemental Gaseous Fuels | 2 | Monthly: Annual: | EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" | Margo Natof (202) 586-6303 |
| Imports and Exports | 2 | Monthly: Annual: | EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports" | Linda Cook (202) 586-6306 |
| Price: City Gate, Residential, Commercial, and Industrial | 4 | Monthly: | Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | Roy Kass (202) 586-4790 |
| Wellhead | 4 | Monthly: Annual: | EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" | Sylvia Norris (202) 586-6106 |
| Electric Utility | 4 | Monthly: | Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants" | Roy Kass (202) 586-4790 |
| Summary of Natural Gas Imports and Exports | 5,6 | Monthly: | Quarterly Natural Gas Import and Export Sales and Price Report | Linda Cook (202) 586-6306 |
| Producer Related Activities: Natural Gas Production | 7,8 | Monthly: | EIA-895, "Monthly Quantity of Natural Gas Report" | Sharon Belcher (202) 586-6119 |

| | | | | |
|-------------------------------|-------------------------|-----------|---|-------------------------------|
| Underground Storage: | 9, 10, 11 12, 13, 14 | Monthly: | Forms FERC-8 and EIA-191, “Underground Gas Storage Report” | Carol Jones (202) 586-6168 |
| Distribution and Consumption: | | | | |
| Deliveries to: | | | | |
| Residential, | 15 | Monthly: | Form EIA-857, “Monthly Report of | Roy Kass |
| Commercial, | 16 | | Natural Gas Purchases and Deliveries | (202) 586-4790 |
| Industrial, | 17 | | to Consumers” | |
| Electric Utility, | 18 | | Form FERC-423, “Cost and Quality | |
| All Consumers | 19 | | of Fuels for Electric Power Plants” | |
| Average Price to: | | | | |
| City Gate, | 20 | Monthly: | Form EIA-857, “Monthly Report of | Roy Kass |
| Residential, | 21 | | Natural Gas Purchases and Deliveries | (202) 586-4790 |
| Commercial, | 22 | | to Consumers” | |
| Industrial, | 23 | | Form FERC-423, “Cost and Quality | |
| Electric Utility | 24 | | of Fuels for Electric Power Plants” | |
| Onsystem Sales | 25 | Monthly: | Form EIA-857, “Monthly Report of | Roy Kass |
| | | | Natural Gas Purchases and Deliveries | (202) 586-4790 |
| | | | to Consumers” | |
| Heating Degree Days | 26 | Seasonal: | National Oceanic and Atmospheric | Patricia Wells |
| | | | Administration | (202) 586-6077 |
| Highlights | | | | Mary Carlson |
| | | | | (202) 586-4749 |

Natural Gas Electronic Products

In addition to printed publications, the Energy Information Administration distributes information concerning the natural gas industry in a variety of electronic formats through several media. Two main types of products are available electronically: *viewable documents* that may be read or printed; and *post-processable files* that may be directly used as input to a computer application without additional keying and checking of data.

Viewable documents represent complete or selected sections of publications including text, tables and graphs. They may be as specific as single tables or as general as an entire publication. Post-processable documents on the other hand are either macro-level rep-

resentations of information in published tables or micro-level respondent information representing responses on a specific nonconfidential survey.

The media used to distribute these electronic publications include: (1) The Energy Information Administration's Internet site (<http://www.eia.doe.gov> or <ftp://ftp.eia.doe.gov>); (2) Dial-in access through the Energy Information Administration's EPUB electronic bulletin board or through the Economic Bulletin Board of the Department of Commerce and the COGIS system; (3) The Energy Information Administration's quarterly CD-ROM(Info-Disk); (4) The Energy Information Administration's Fax on Demand System; and (5) diskettes.

| | Internet | Dial-In | Infodisk | E-Mail | Diskette |
|---|----------|---------|----------|--------|----------|
| ANNUAL PUBLICATIONS | | | | | |
| Natural Gas Annual, 1997 Provides information on supply and disposition of natural gas in the United States. Information is provided nationally, regionally, and by State for 1997. | V P | | V P | | P |
| Historical Natural Gas Annual, 1930 through 1997 Contains historical information about supply and disposition of natural gas at the national, regional, and State level, as well as prices at selected points in the flow of gas from wellhead to burnertip. | P | | P | | P |
| Natural Gas 1996: Issues and Trends Examines how industry restructuring continues to expand choices, and challenges, for industry, participants, and natural gas customers. | V | | V | | |
| Natural Gas 1995: Issues and Trends Addresses current issues affecting the natural gas industry and markets, and analyzes trends in the most recent natural gas data. | V | | V | | |
| Natural Gas 1994: Issues and Trends Provides an overview of the natural gas industry in 1993 and early 1994, focusing on the overall ability to deliver gas under the new regulatory mandates of the Federal Energy Regulatory Commission's Order 636. | V | | V | | |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report, 1996 1996 national and State estimates of reserves, reserve changes, and production, plus industry highlights. | V | | V | | |

V = Viewable

P = Post-Processable

E = Automatic E-Mail Updates

| | Internet | Dial-In | Infodisk | E-Mail | Diskette |
|---|----------|---------|----------|--------|----------|
| Natural Gas Productive Capacity for the Lower 48 States 1986-1998 Analysis of monthly natural gas wellhead productive capacity. | V | | V | | |
| MONTHLY PUBLICATIONS | | | | | |
| Natural Gas Monthly, from the previous 12 months Entire Publication in viewable format. | V | | V | | |
| OTHER PUBLICATIONS | | | | | |
| Natural Gas Weekly Market Update Analysis of current price, supply and storage data along with a two week snapshot of the weather in four distinct metropolitan areas. | V | | | | |
| Deliverability on the Interstate Natural Pipeline System This publication chronicles and analyzes pipeline growth from the perspective of the natural gas shipper and pipeline transporter. | V | | | | |
| Natural Gas 1997: Preliminary Highlights This Special Focus, which was featured in the April 1998 issue of the <i>Natural Gas Monthly</i> , presents events that affected the natural gas industry during 1997. | V | P | | | |
| Energy Policy Act Transportation Study: Interim Report on Natural Gas Flow and Rates (EPACT) Analysis of natural gas transportation rates and distribution patterns for the period 1988 through 1994. | V | | V | | |
| Oil Production Capacity Extension Cost for the Persian Gulf Quantifies the cost of expanding oil production capacity for the Persian Gulf based on geologic plays and fields rather than country-level economics. Development costs and volumes are estimated for the next 15 years. | V | | V | | |
| Costs and Indices for Domestic Oil and Gas Fields Equipment and Production Operations 1993-1996 Cost of equipment and operation of oil and gas wells in the lower 48 States. | V | | V | | |
| Drilling Sideways- A Review of Horizontal Well Technology and the Domestic Application Salient aspects of current and near-future horizontal drilling and completion technology. | V | | V | | |
| International Oil and Gas Exploration and Development Compilation of country-level data and assessment of regional trends relating to upstream aspects of global oil and gas supply. | V | | V | | |
| Oil and Gas Field Code Master List Comprehensive listing of U.S. oil and gas field names as of October 1997. | V | | V | | |
| Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadjikistan, and Kyrgyzstan) Reservoir level assessments of oil and gas ultimate recovery in the former Soviet Union area. | V | | V | | |

V = Viewable

P = Post-Processable

E = Automatic E-Mail Updates

| | Internet | Dial-In | InfoDisk | E-Mail | Diskette |
|--|----------|---------|----------|--------|----------|
| The Value of Underground Storage in Today's Natural Gas Industry. Explores the significant and changing role of storage in the industry. | V | | V | | |
| U.S. Oil and Gas Development in the Early 1900's Analyses of the growing prominence of smaller energy companies in U.S. oil and gas production | V | | V | | |
| ANNUAL DATA | | | | | |
| Natural Gas Supply and Disposition, by State 1997 | V P | V P | | | |
| Natural Gas Summary, United States by Year 1990-1997 | V P | V P | | | |
| Natural Gas Annual 1997 data Self-extracting file containing data (in comma-delimited format) that appear in the tables in the 1997 <i>Natural Gas Annual</i> . | P | | P | | P |
| Historical Natural Gas Annual 1997 data Self-extracting file containing historical information (in comma-delimited format) found in the tables in Volume 2 of the 1997 <i>Natural Gas Annual</i> . Annual historical data at the national level are presented for 1930-1997. Annual information by State and region is presented for 1967-1997. | P | | P | | P |
| 1997 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for 1997. | P | | | | P |
| 1996 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for 1996. | P | | | | P |
| Data archive of historical reserves estimates for U.S. Crude Oil, Natural Gas, and Natural Gas Liquids National, State, and State subregion data published in the reserves balance tables of <i>U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves</i> from 1977 forward. | P | | | | P |
| MONTHLY DATA | | | | | |
| Natural Gas Production, United States by Month 1989-forward | P | P | | | |
| Natural Gas Supply and Disposition 1989-forward | P | P | | E | |
| Natural Gas Imports and Exports 1989-forward | P | P | | | |
| Natural Gas Underground Storage: United States Total by Month 1989-forward | P | P | | E | |
| Natural Gas Prices: United States Total by Month 1989-forward | P | P | | E | |
| Natural Gas Consumption by Sector: United States Total by Month 1989-forward | P | P | | E | |
| SELF-EXTRACTING COMPRESSED DATA FILE ARCHIVES | | | | | |
| Natural Gas Consumption and Prices, for most recent 2-3 years | P | P | | | |
| Natural Gas Consumption and Prices, for 1984-1995 | P | P | | | |

V = Viewable

P = Post-Processable

E = Automatic E-Mail Updates

Glossary

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing organizations such as hotels, restaurants, retail stores, laundries, and other service enterprises, and gas used by local, State, and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent: Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used by manufacturing and mining establishments for heat, power, and chemical feedstock.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.